気体的行動
液体的行動
資料編

大塚いわお

GASEOUS BEHAVIOR, LIQUID BEHAVIOR DOCUMENT

Iwao Otsuka

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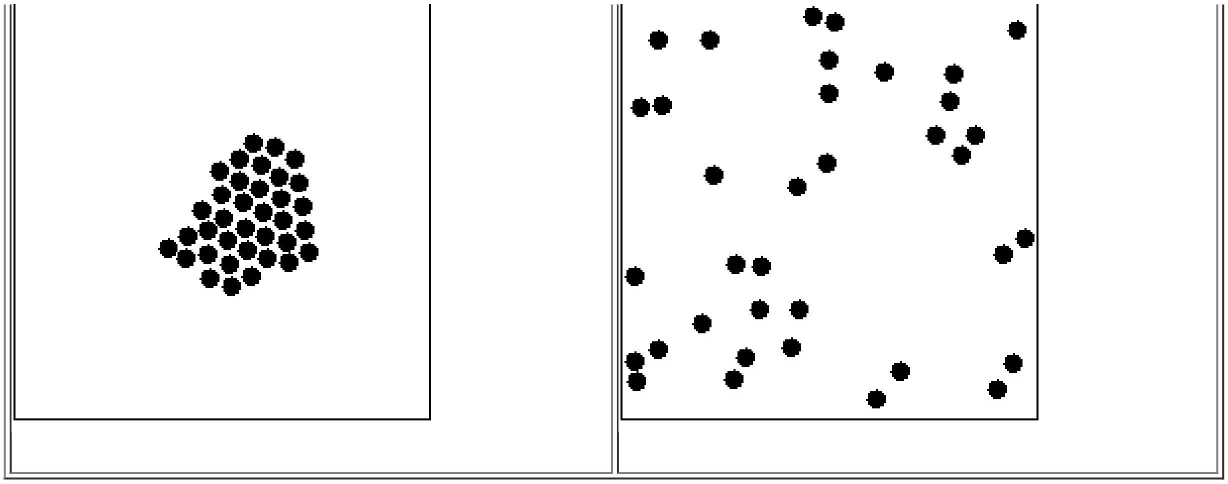

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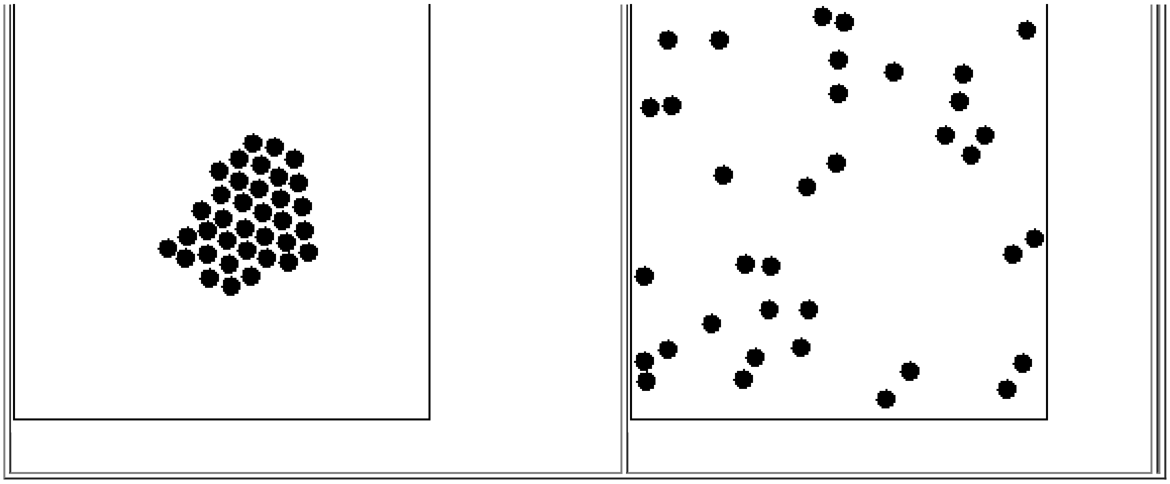

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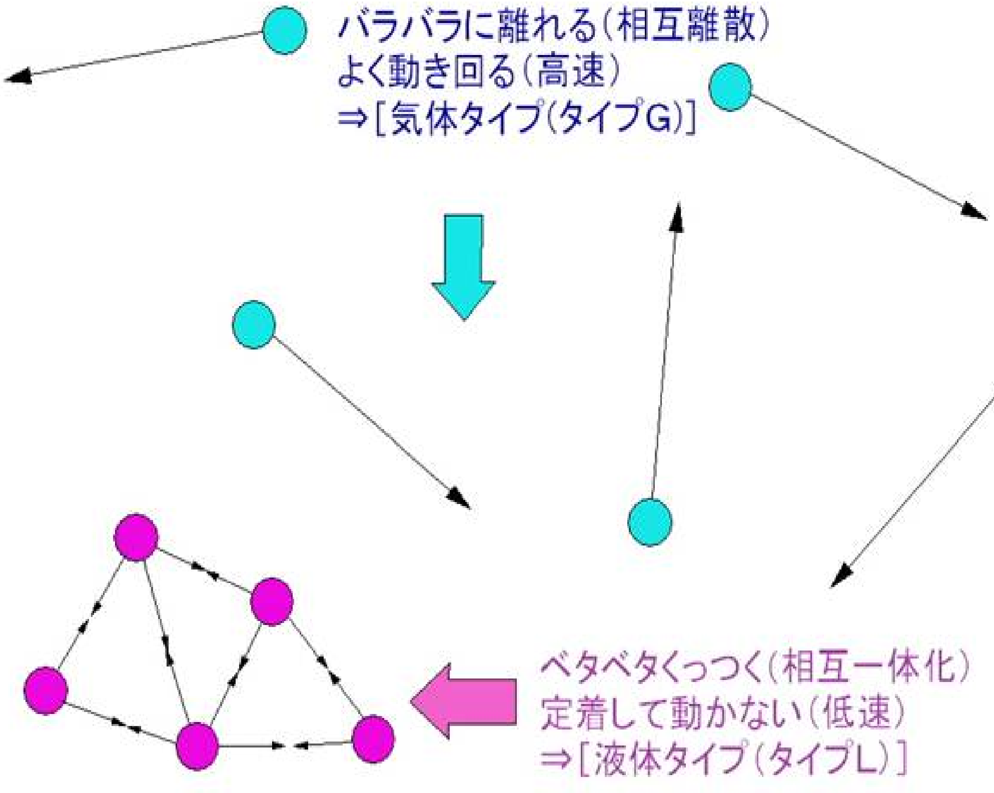

タイプG（気体的）・タイプL（液体的）の人・物体の説明

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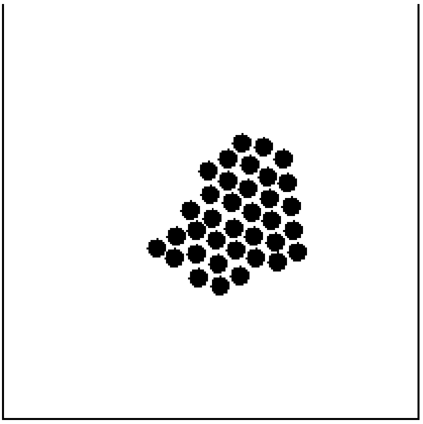	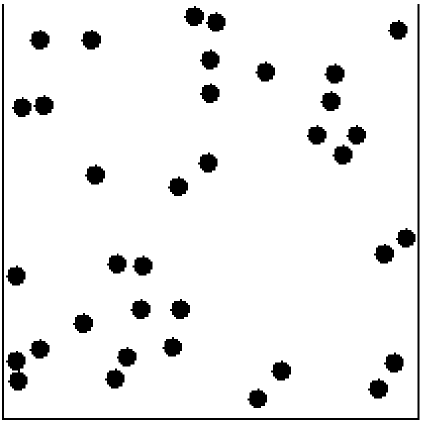	
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20□ 43.689□
30□ 15.534□
40□ 8.738□
50□ 4.854□
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1	□□	□□□	56.311	17.476	15.534	5.825	4.854	0.854
		□□□□	23.301	13.592	17.961	21.359	23.786	2.087
2	□□	□□□	36.408	11.650	21.845	16.019	14.078	1.597
		□□□□	41.748	24.272	16.990	11.165	5.825	1.150

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2007□6□16□□2007□6□20□□□□ 207□ 49.275□
□ 50.725□10□ 31.401□
20□ 33.816□
30□ 19.807□

40□ 9.662□
50□ 4.831□
60□ 0.000□
70□ 0.483□□□□□

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1	□□□□□□	□□□	68.116	14.493	8.696	3.865	4.831	0.628
		□□□□	20.773	17.391	22.222	22.222	17.391	1.981
2	□□□□□□	□□□	54.106	15.459	16.425	5.797	8.213	0.986
		□□□□	28.019	23.188	15.459	18.841	14.493	1.686
3	□□□□□□	□□□	41.063	21.739	16.425	13.527	7.246	1.242
		□□□□	40.580	17.874	14.010	13.527	14.010	1.425
4	□□□□□□	□□□	30.918	8.213	18.357	21.739	20.773	1.932
		□□□□	62.802	18.357	8.696	5.314	4.831	0.710

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2007□8□21□□2007□8□31□□□□ 201□ 52.239□
□ 47.761□10□ 30.348□
20□ 33.333□
30□ 20.896□
40□ 13.433□
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1	□□□□	□□	38.806	19.900	19.403	11.443	10.448	1.348
		□□	68.657	11.443	10.448	4.975	4.478	0.652
6	□□□□	□□	66.169	13.433	10.448	6.965	2.985	0.672
		□□	36.816	15.920	19.403	16.915	10.945	1.493
9	□□□□	□□	54.229	18.905	14.925	6.468	5.473	0.900
		□□	80.597	11.443	5.473	1.493	0.995	0.308
4	□□□□	□□	79.104	8.955	9.453	0.995	1.493	0.368
		□□	63.184	14.428	10.945	6.468	4.975	0.756
3	□□□□□	□□	41.791	16.418	20.398	14.428	6.965	1.284
		□□	63.682	15.920	12.935	3.483	3.980	0.682
8	□□□□□	□□	53.234	15.423	12.935	10.448	7.960	1.045
		□□	48.259	15.920	15.423	6.965	13.433	1.214
5	□□□□	□□	29.851	17.413	20.398	16.418	15.920	1.711
		□□	58.209	14.428	12.935	8.458	5.970	0.896
2	□□□□□□	□□	75.124	10.448	7.463	5.970	0.995	0.473
		□□	43.781	12.438	19.403	13.433	10.945	1.353
7	□□□□	□□	40.299	17.910	18.905	11.940	10.945	1.353
		□□	54.726	15.920	15.423	6.965	6.965	0.955
10	□□□□	□□	66.667	14.428	7.960	5.970	4.975	0.682
		□□	35.821	18.408	19.900	11.940	13.930	1.498

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70□ 0.000□□□□□

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		□□	□□□□ (0)	□□ □□□ (1)	□□ □□□ (2)	□□□ □□□ (3)	□□□ □□□ (4)	□□□
10	□□□□□□□□□□□□□	□□	14.500	9.500	15.000	25.000	36.000	2.585
		□□	39.500	17.500	21.500	12.500	9.000	1.340
1	□□□□□□□□□□□□□	□□	12.000	9.500	23.500	24.500	30.500	2.520
		□□	58.000	16.500	16.000	3.500	6.000	0.830
32	□□□□□□□□□□□	□□	7.500	8.000	13.000	22.500	49.000	2.975
		□□	62.000	15.500	8.500	7.500	6.500	0.810
13	□□□□□□□□□□□	□□	61.500	17.500	14.500	4.500	2.000	0.680
		□□	37.000	17.000	23.000	13.000	10.000	1.420
26	□□□□□□□□	□□	70.500	16.000	6.500	4.500	2.500	0.525
		□□	21.500	11.000	23.000	19.500	25.000	2.155

2	□□□□	□□	9.000	8.500	18.000	27.500	37.000	2.750
		□□	70.500	8.000	12.000	7.500	2.000	0.625
16	□□□□□□□□□	□□	83.000	9.000	4.000	1.500	2.500	0.315
		□□	27.500	19.000	16.000	19.000	18.500	1.820
17	□□□□□□□□	□□	25.000	9.500	20.500	19.500	25.500	2.110
		□□	72.000	14.500	8.500	3.500	1.500	0.480
3	□□□□□□□□	□□	77.000	9.500	6.000	4.000	3.500	0.475
		□□	12.000	8.000	13.500	22.000	44.500	2.790
7	□□□□	□□	77.500	10.000	5.500	3.000	4.000	0.460
		□□	24.000	11.500	19.000	18.500	27.000	2.130
4	□□□□□□□□□□□□	□□	68.500	18.000	6.500	5.000	2.000	0.540
		□□	43.500	18.000	19.000	11.500	8.000	1.225
27	□□□□□□□□□	□□	16.000	10.000	17.500	23.500	33.000	2.475
		□□	61.500	21.500	9.500	2.500	5.000	0.680
21	□□□□□□□□□	□□	79.000	11.000	4.500	3.000	2.500	0.390
		□□	23.500	18.000	21.500	17.000	20.000	1.920

18	□□□□□□□□□□	□□	17.000	14.500	20.000	19.500	29.000	2.290
		□□	30.000	21.500	19.000	14.000	15.500	1.635
5	□□□□□□□□	□□	65.500	19.000	9.000	4.000	2.500	0.590
		□□	66.500	14.000	12.000	4.000	3.500	0.640
8	□□□□	□□	12.000	13.500	14.000	22.500	38.000	2.610
		□□	53.500	18.000	7.000	11.000	10.500	1.070
24	□□□□	□□	30.000	18.500	15.000	13.500	23.000	1.810
		□□	35.000	22.500	21.500	10.000	11.000	1.395
36	□□□□	□□	81.500	9.000	3.500	2.500	3.500	0.375
		□□	19.500	13.500	13.500	23.000	30.500	2.315
23	□□□□□□□□	□□	18.000	14.000	16.000	23.500	28.500	2.305
		□□	55.500	23.000	15.000	4.500	2.000	0.745
30	□□□□□□□□	□□	15.500	10.500	23.000	21.000	30.000	2.395
		□□	63.000	17.500	10.000	6.500	3.000	0.690
11	□□□□□□□□	□□	72.500	13.500	10.000	1.500	2.500	0.480
		□□	28.000	15.500	22.000	16.500	18.000	1.810

29	[illegible]	[illegible]	15.000	21.500	16.000	23.000	24.500	2.205
		[illegible]	53.000	18.000	12.500	10.500	6.000	0.985
12	[illegible]	[illegible]	52.500	24.000	11.500	7.000	5.000	0.880
		[illegible]	16.500	16.500	18.500	24.500	24.000	2.230
25	[illegible]	[illegible]	59.000	24.000	11.500	3.000	2.500	0.660
		[illegible]	15.500	12.500	21.500	24.000	26.500	2.335
9	[illegible]	[illegible]	73.000	13.500	7.500	3.500	2.500	0.490
		[illegible]	22.500	17.000	18.500	21.500	20.500	2.005
20	[illegible]	[illegible]	26.500	12.500	16.500	18.000	26.500	2.055
		[illegible]	69.500	14.500	9.000	4.500	2.500	0.560
31	[illegible]	[illegible]	71.000	18.500	4.500	4.000	2.000	0.475
		[illegible]	27.000	15.500	21.000	18.000	18.500	1.855
33	[illegible]	[illegible]	58.000	19.000	15.500	5.000	2.500	0.750
		[illegible]	32.500	18.000	23.000	13.000	13.500	1.570
35	[illegible]	[illegible]	10.500	10.500	16.000	24.500	38.500	2.700
		[illegible]	59.000	15.500	8.000	11.500	6.000	0.900
34	[illegible]	[illegible]	27.500	21.500	16.000	18.000	17.000	1.755

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		□□	65.000	15.000	10.000	7.500	2.500	0.675
15	□□□□	□□	59.000	15.500	13.500	5.500	6.500	0.850
		□□	66.500	14.500	9.500	6.500	3.000	0.650
37	□□□□	□□	27.000	23.000	20.500	9.000	20.500	1.730
		□□	71.000	16.000	6.500	5.000	1.500	0.500
19	□□□□	□□	39.500	18.000	20.000	7.500	15.000	1.405
		□□	19.000	14.500	20.500	17.500	28.500	2.220
6	□□	□□	22.000	14.500	25.000	15.000	23.500	2.035
		□□	60.000	16.500	7.500	8.000	8.000	0.875
22	□□□	□□	70.500	15.500	7.000	6.000	1.000	0.515
		□□	31.000	17.500	18.000	19.000	14.500	1.685
28	□□□	□□	44.500	25.000	15.000	9.500	6.000	1.075
		□□	59.000	21.500	12.000	5.000	2.500	0.705
14	□□□	□□	48.500	19.500	17.000	5.500	9.500	1.080
		□□	40.000	19.500	17.000	11.500	12.000	1.360

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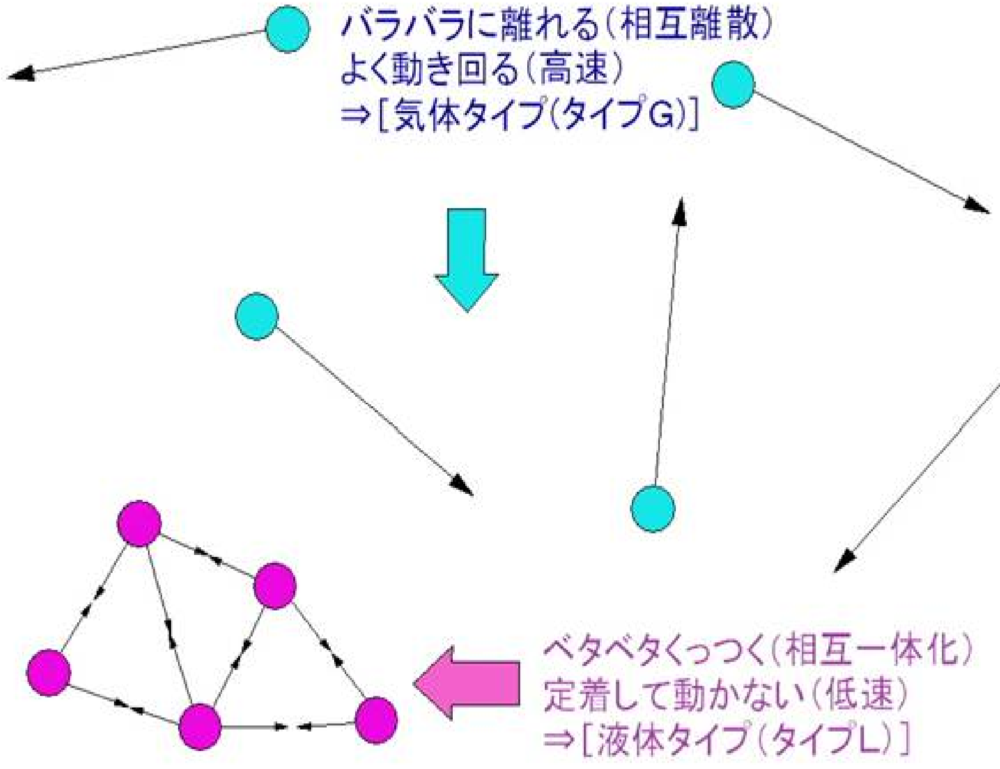

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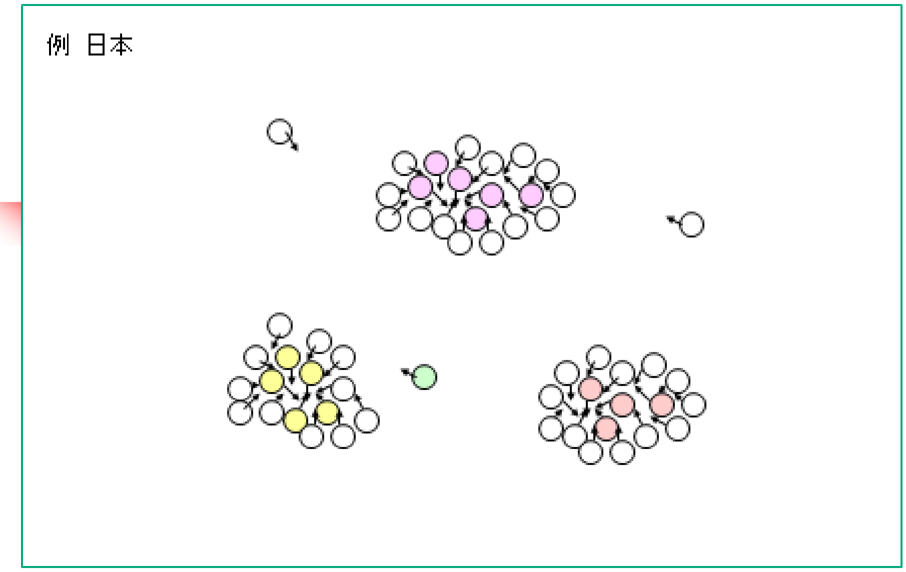
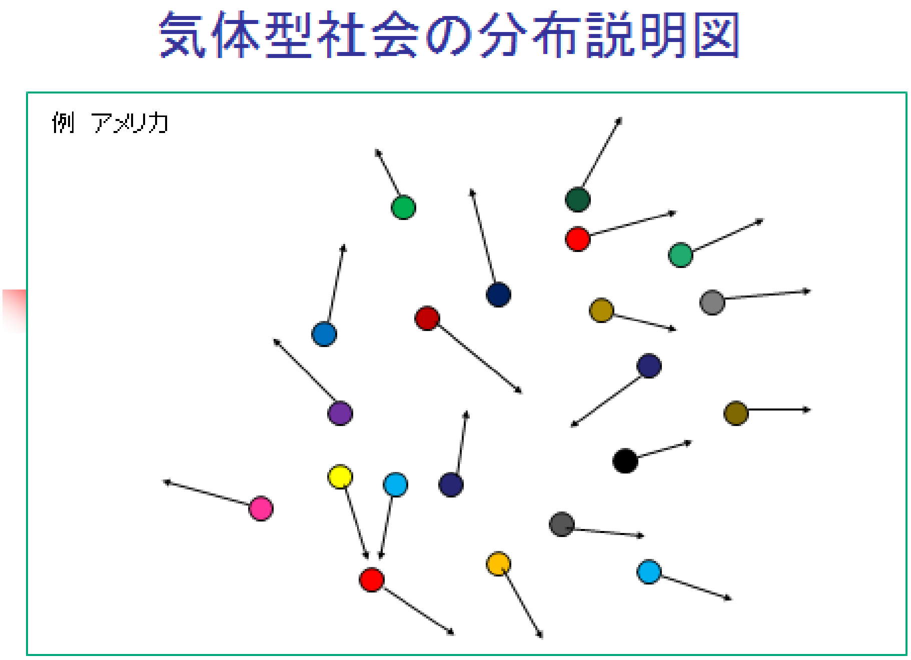
液体的社会、気体的社会
空間分布と外部環境
説明図

2011年1月

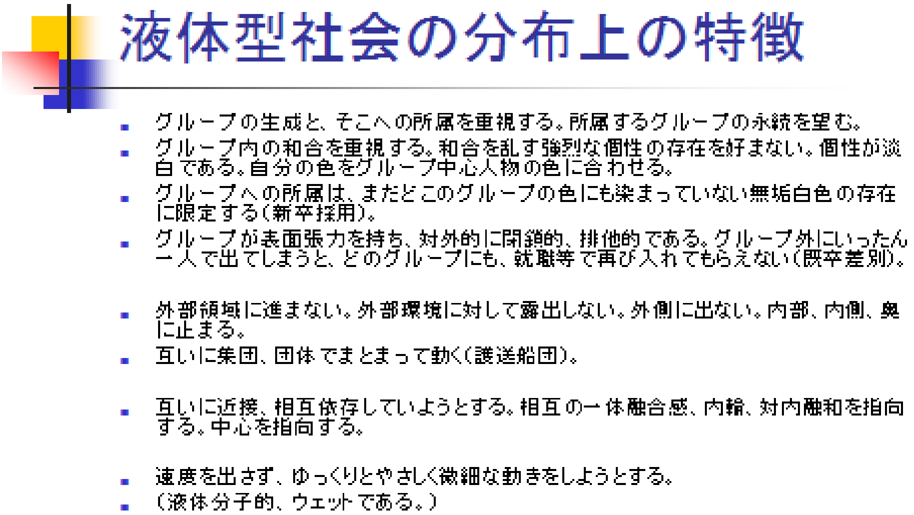
大塚いわお

液体型社会の分布説明図





気体型社会の分布説明図



液体型社会の分布上の特徴

- グループの生成と、そこへの所属を重視する。所属するグループの永続を望む。
- グループ内の和合を重視する。和合を乱す強烈な個性の存在を好まない。個性が淡白である。自分の色をグループ中心人物の色に合わせる。
- グループへの所属は、まだどこのグループの色にも染まっていない無垢白色の存在に限定する（新卒採用）。
- グループが表面張力を持ち、対外的に閉鎖的、排他的である。グループ外にいったん一人で出てしまうと、どのグループにも、就職等で再び入れてもらえない（既卒差別）。
- 外部領域に進まない。外部環境に対して露出しない。外側に出ない。内部、内側、奥に止まる。
- 互いに集団、団体でまとまって動く（護送船団）。
- 互いに近接、相互依存していようとする。相互の一体融合感、内輪、対内融和を指向する。中心を指向する。
- 速度を出さず、ゆっくりとやさしく微細な動きをしようとする。
- （液体分子的、ウェットである。）

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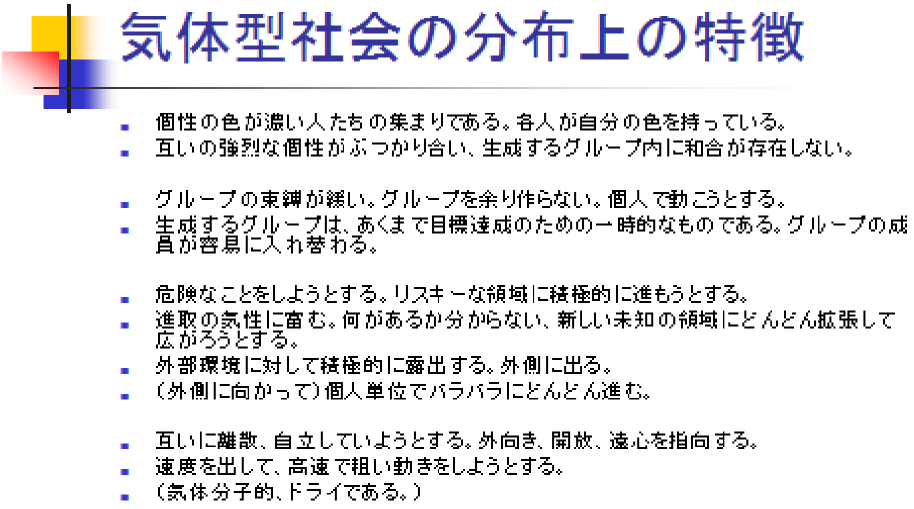

気体型社会の分布上の特徴

- 個性の色が濃い人たちの集まりである。各人が自分の色を持っている。
- 互いの強烈な個性がぶつかり合い、生成するグループ内に和合が存在しない。

- グループの束縛が緩い。グループを余り作らない。個人で動こうとする。
- 生成するグループは、あくまで目標達成のための一時的なものである。グループの成員が容易に入れ替わる。

- 危険なことをしようとする。リスキーな領域に積極的に進もうとする。
- 進取の気性に富む。何があるか分からない、新しい未知の領域にどんどん拡張して広がろうとする。
- 外部環境に対して積極的に露出する。外側に出る。
- （外側に向かって）個人単位でバラバラにどんどん進む。

- 互いに離散、自立していようとする。外向き、開放、遠心を指向する。
- 速度を出して、高速で粗い動きをしようとする。
- （気体分子的、ドライである。）

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[illegible]Table 1[illegible]
[illegible]t[illegible]Table 2[illegible]
[illegible](t(205)=8.74,p<.01)[illegible]
[illegible](t(205)=3.21,p<.01)[illegible]
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(t(205)=8.25,p<.01)□

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Figure.1 □□□□□□□□□□□□□
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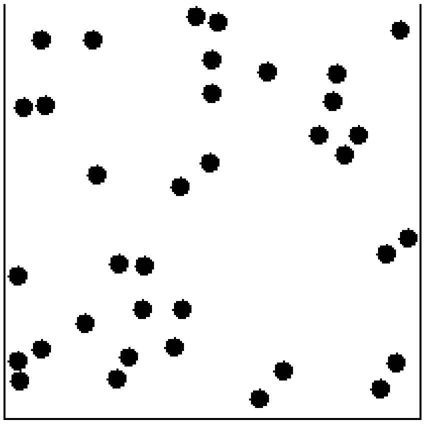

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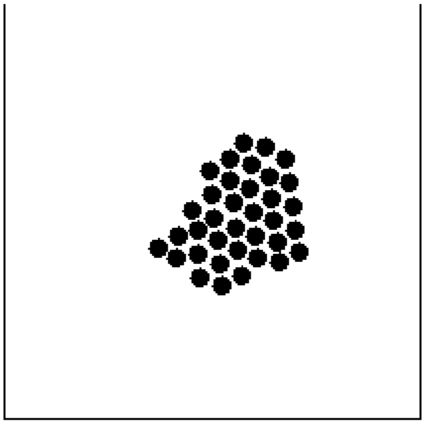

Table.1

[illegible]	[illegible]	[illegible]
[illegible]	0.85 (1.17)	2.09 (1.50)
[illegible]	1.60 (1.46)	1.15 (1.24)

([illegible])

Table.2

[illegible]	t[illegible]	[illegible]
[illegible]	t(205)=8.74	p <.01
[illegible]	t(205)=3.21	p <.01
[illegible]	t(205)=6.32	p <.01
[illegible]	t(205)=8.25	p <.01

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[illegible]Table1[illegible]

[illegible]t[illegible]Table2[illegible]

[illegible](t(200)=10.20,p<.01)[illegible]

[illegible](t(200)=3.54,p<.01)[illegible]

[illegible](t(200)=7.81,p<.01)[illegible]

[illegible](t(200)=7.15,p<.01)[illegible]

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Figure.1 [illegible]

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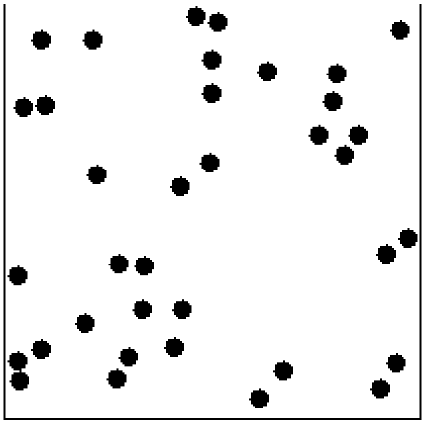

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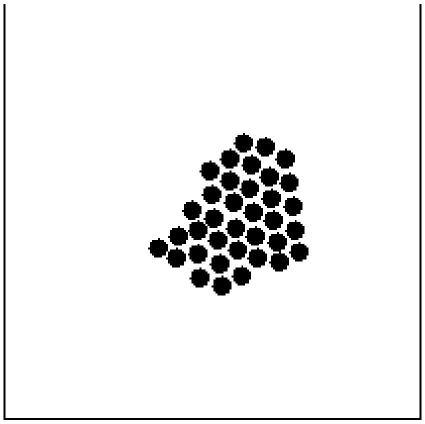

Table.1□□

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□□□□□□	0.47 (0.94)	1.71 (1.45)
□□□□□□	1.35 (1.43)	0.90 (1.26)

n=201

Table.2□□□□□□□□□□□□□□□□□□□□

[illegible]	t[illegible]
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[illegible]	t(200)=3.54**
[illegible]	t(200)=7.81**
[illegible]	t(200)=7.15**

**p<.01

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[illegible]Table1[illegible]

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[illegible](t(200)=6.84,p<.01)[illegible]

[illegible](t(200)=7.47,p<.01)[illegible]

[illegible](t(200)=6.29,p<.01)[illegible]

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Figure.1 [illegible]
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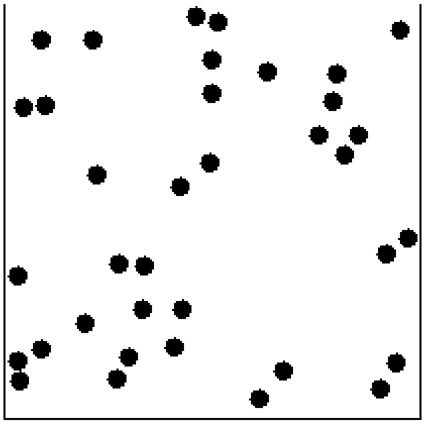

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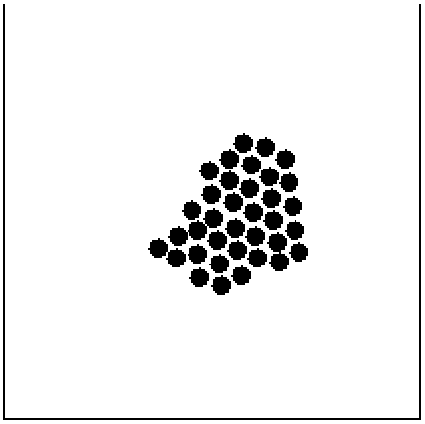

Table.1□□

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□□□□□□	0.67 (1.10)	1.35 (1.37)
□□□□□□	1.49 (1.41)	0.65 (1.13)

n=201

Table.2[illegible]

[illegible]	t[illegible]
[illegible]	t(200)=5.42**
[illegible]	t(200)=6.84**
[illegible]	t(200)=7.47**
[illegible]	t(200)=6.29**

**p<.01

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[illegible]Table1[illegible]

[illegible]t[illegible](n=201)[illegible]Table2[illegible]

[illegible](t(200)=5.67,p<.01)[illegible]

[illegible](t(200)=4.96,p<.01)[illegible]

[illegible](t(200)=4.28,p<.01)[illegible]

[illegible](t(200)=6.82,p<.01)[illegible]

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Figure.1 [illegible]
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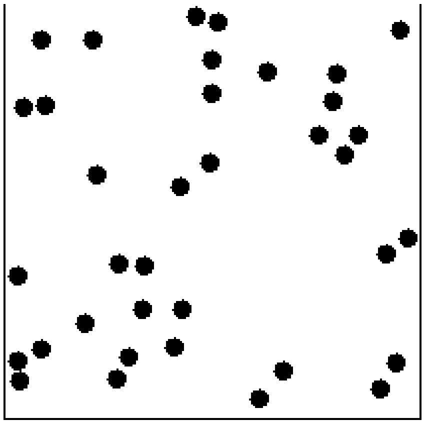

[illegible]

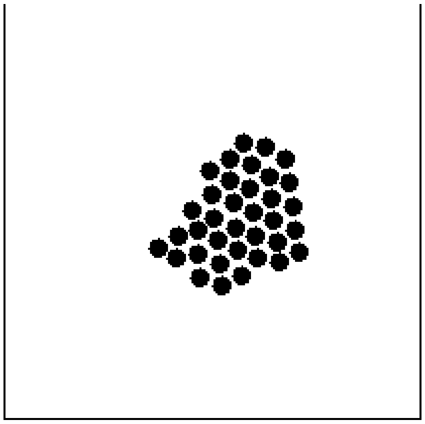

Table.1[illegible]

[illegible]	[illegible]	[illegible]
[illegible]	0.37 (0.81)	0.90 (1.20)
[illegible]	0.76 (1.18)	0.31 (0.73)

n=201

Table.2[illegible]

[illegible]	t[illegible]
[illegible]	t(200)=5.67**
[illegible]	t(200)=4.96**
[illegible]	t(200)=4.28**
[illegible]	t(200)=6.82**

**p<.01

[illegible]

2012.07[illegible]

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[illegible](n=201)[illegible]Table2[illegible]

[illegible](t(200)=2.18,p<.05)[illegible]

[illegible](t(200)=4.72,p<.01)[illegible]

[illegible](t(200)=1.32)[illegible]

[illegible](t(200)=5.41,p<.01)[illegible]

[illegible]

[illegible]

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Figure.1 [illegible]
[illegible]

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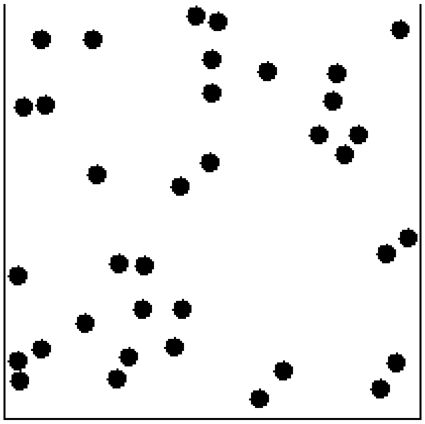

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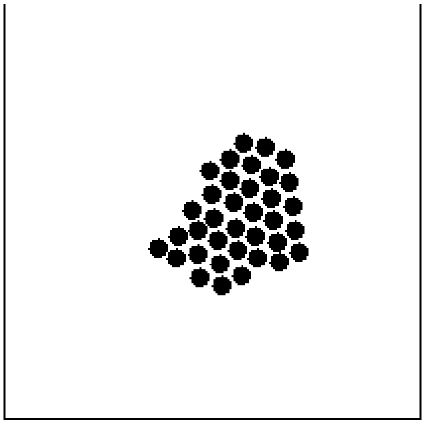

Table.1□□

□□□□	□□□	□□□
□□□□□□	1.04 (1.34)	1.28 (1.32)
□□□□□□	1.21 (1.44)	0.68 (1.81)

n=201

Table.2 [illegible]

[illegible]	t [illegible]
[illegible]	t(200)=2.18*
[illegible]	t(200)=4.72**
[illegible]	t(200)=1.32
[illegible]	t(200)=5.41**

**p<.01, *p<.05

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[illegible]Table1[illegible]

[illegible]t[illegible](n=201)[illegible]Table2[illegible]

[illegible](t(200)=5.59,p<.01)[illegible]

[illegible](t(200)=4.37,p<.01)[illegible]

[illegible](t(200)=7.33,p<.01)[illegible]

[illegible](t(200)=3.11,p<.01)[illegible]

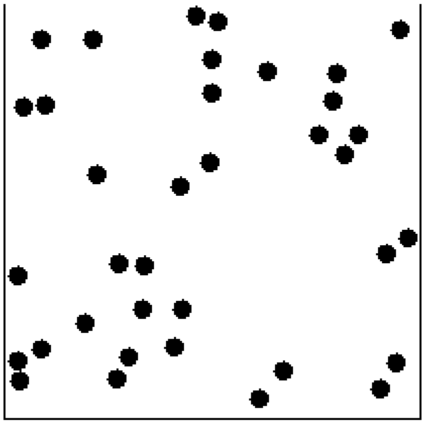
[illegible]

[illegible]

[illegible]

Figure.1 [illegible]
[illegible]

[illegible]



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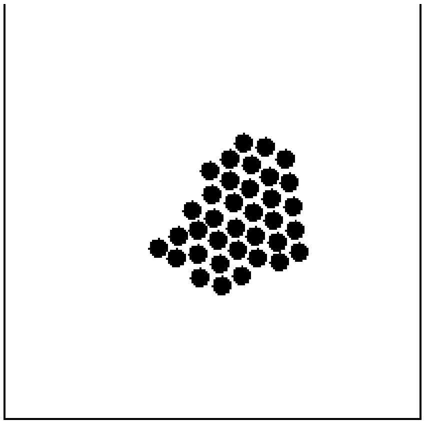

Table.1□□

□□□□	□□□	□□□
□□□□□□	0.68 (1.16)	1.35 (1.39)
□□□□□□	1.50 (1.43)	0.96 (1.27)

n=201

Table.2[illegible]

[illegible]	t[illegible]
[illegible]	t(200)=5.59**
[illegible]	t(200)=4.37**
[illegible]	t(200)=7.33**
[illegible]	t(200)=3.11**

**p<.01

[illegible]vs[illegible]

2012.07[illegible]

[illegible]

[illegible]vs[illegible]web[illegible]2[illegible]200[illegible]

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[illegible]vs[illegible]

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[[illegible]] [illegible]200[illegible]105[illegible]95[illegible]web[illegible]
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[[illegible]] [illegible]Ar([illegible])[illegible]Java[illegible](2002)[illegible]web[illegible]20[illegible]([illegible])[illegible]300[illegible]([illegible])[illegible]30[illegible]windowsmediavideo[illegible]web[illegible]Figure1[illegible]

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[[illegible]] [illegible]1[illegible]

[illegible]

[illegible]

[illegible]Table1[illegible]

[illegible]t[illegible]
(n=200)[illegible]Table2[illegible]

[illegible]

[illegible]

[illegible]

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Figure.1 [illegible]
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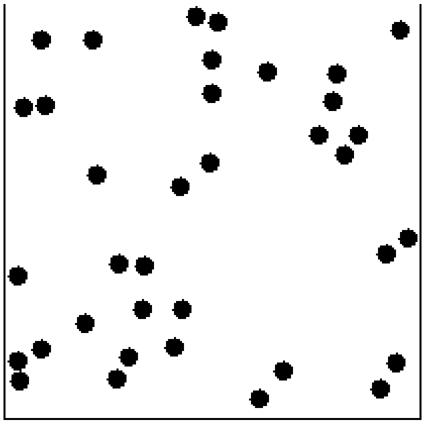

[illegible]

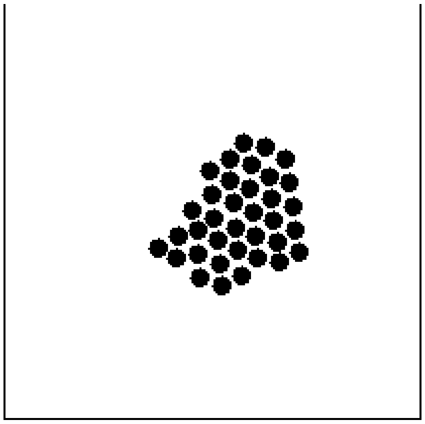

Table.1[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	2.59 (1.43)	2.52 (1.33)	2.98 (1.27)	0.68 (1.01)
[illegible]	1.36 (1.36)	0.85 (1.20)	0.83 (1.26)	1.4 (1.35)

n=200

Table.2[illegible]

[illegible]	t[illegible]
[illegible]	t(199)=8.75**
[illegible]	t(199)=13.49**
[illegible]	t(199)=18.04**
[illegible]	t(199)=6.24**
[illegible]	t(199)=19.32**
[illegible]	t(199)=4.47**
[illegible]	t(199)=4.50**
[illegible]	t(199)=15.40**
[illegible]	t(199)=0.69
[illegible]	t(199)=15.73**

[illegible]	t(199)=0.30
[illegible]	t(199)=4.22**
[illegible]	t(199)=4.20**
[illegible]	t(199)=5.29**
[illegible]	t(199)=4.90**
[illegible]	t(199)=0.23

**p<.01

[illegible]	←[illegible]	[illegible]	[illegible]	[illegible]	→[illegible]
			↑[illegible]		

[illegible]	←[illegible]	[illegible]	[illegible]	→[illegible]
		↑[illegible]	↑[illegible]	

[illegible]

2012.07[illegible]

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[[illegible]][illegible]2007[illegible]9[illegible]15[illegible]10[illegible]09[illegible]24[illegible]

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[[illegible]][illegible]1[illegible]

[illegible]

[illegible]Table1[illegible]

[illegible]t[illegible](n=200)[illegible]Table2[illegible]

[illegible]($t(199)=13.71$,$p<.01$)[illegible]

[illegible]($t(199)=8.01$,$p<.01$)[illegible]

[illegible]($t(199)=11.59$,$p<.01$)[illegible]

[illegible]($t(199)=13.85$,$p<.01$)[illegible]

[illegible]

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Figure.1 [illegible]
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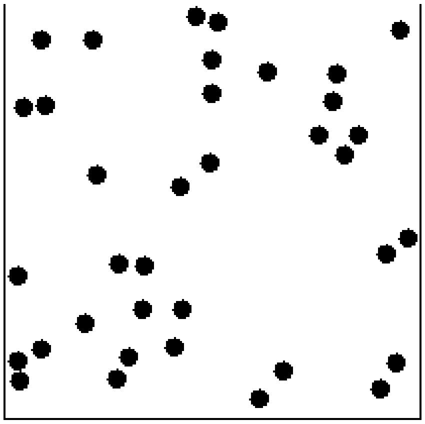

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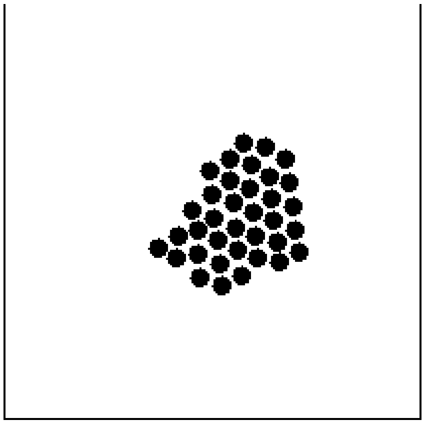

Table.1[illegible]

[illegible]	[illegible]	[illegible]
[illegible]	0.48 (0.92)	2.31 (1.47)
[illegible]	1.81 (1.46)	0.75 (1.00)

n=200

Table.2[illegible]

[illegible]	t[illegible]
[illegible]	t(199)=13.71**
[illegible]	t(199)=8.01**
[illegible]	t(199)=11.59**
[illegible]	t(199)=13.85**

**p<.01,*p<.05

[illegible]

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[[illegible]][illegible]1[illegible]

[illegible]

[illegible]Table1[illegible]

[illegible]t[illegible](n=200)[illegible]Table2[illegible]

[illegible](t(199)=11.15,p<.01)[illegible]

[illegible]

[illegible](t(199)=18.55,p<.01)[illegible]

[illegible]
(t(199)=19.36,p<.01)[illegible]

[illegible]
(t(199)=14.64,p<.01)[illegible]

[illegible]

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Figure.1 [illegible]
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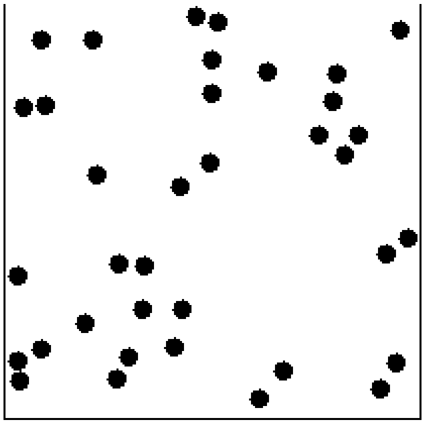

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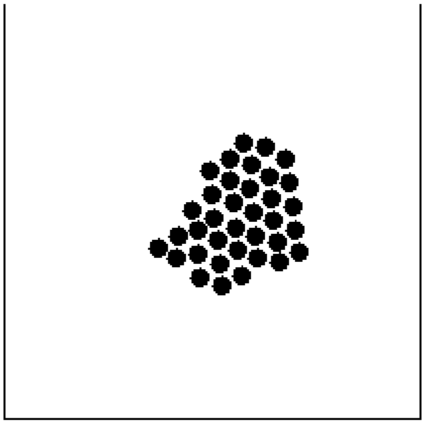

Table.1□□□

□□□□	□□□□□	□□□□□
□□□□□□	0.48 (1.02)	2.10 (1.51)
□□□□□□	2.79 (1.39)	0.48 (0.90)

n=200

Table.2[illegible]

[illegible]	t[illegible]
[illegible]	t(199)=11.15**
[illegible]	t(199)=18.55**
[illegible]	t(199)=19.36**
[illegible]	t(199)=14.64**

**p<.01,*p<.05

[illegible]

2012.07[illegible]

[illegible]

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[illegible]web[illegible]2[illegible]200[illegible]

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[[illegible]][illegible]Ar([illegible])[illegible]Java[illegible](2002)[illegible]web[illegible]20[illegible]([illegible])[illegible]300[illegible]([illegible])[illegible]30[illegible]windowsmediavideo[illegible]web[illegible]Figure1[illegible]

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[illegible]

[illegible]Table1[illegible]

[illegible]t[illegible](n=200)[illegible]Table2[illegible]

[illegible](t(199)=15.46,p<.01)[illegible]

[illegible](t(199)=8.72,p<.01)[illegible]

[illegible] (t(199)=13.29,p<.01)[illegible]

[illegible] (t(199)=15.63,p<.01)[illegible]

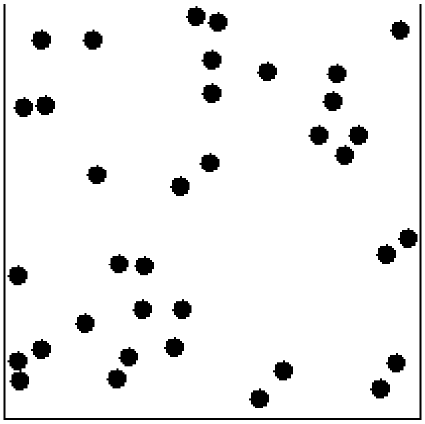
[illegible]

[illegible]

[illegible]

Figure.1 [illegible]
[illegible]

[illegible]



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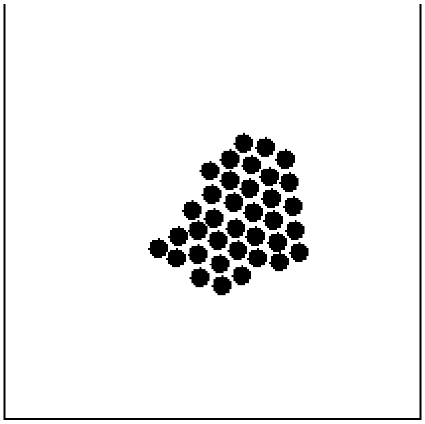

Table.1□□□
□□

□□□□	□□□□□□	□□□□□□
□□□□□□	0.39 (0.90)	2.48 (1.44)
□□□□□□	1.92 (1.45)	0.68 (1.08)

n=200

Table.2□□□□□□□□□□□□□□□□□□□□

□□□□	t□□
□□□□□□□□□□□□□□□□□□	t(199)=15.46**
□□□□□□□□□□□□□□□□□□	t(199)=8.72**
□□□□□□□□□□□□□□□□□□	t(199)=13.29**
□□□□□□□□□□□□□□□□□□	t(199)=15.63**

**$p<.01$,*$p<.05$

[illegible]

2012.07[illegible]

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[illegible]web[illegible]2[illegible]200[illegible]

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[illegible]

[illegible]Table1[illegible]

[illegible]

□□t□□□□□□□□□□(n=200)□□□□Table2□□□□□□□

□□
(t(199)=10.25,p<.01)□

□□(t(199)=8.62,p<.01)□

□□
(t(199)=6.99,p<.01)□

□□□
(t(199)=12.26,p<.01)□

□□

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□□

Figure.1 □□□□□□□□□□□□□
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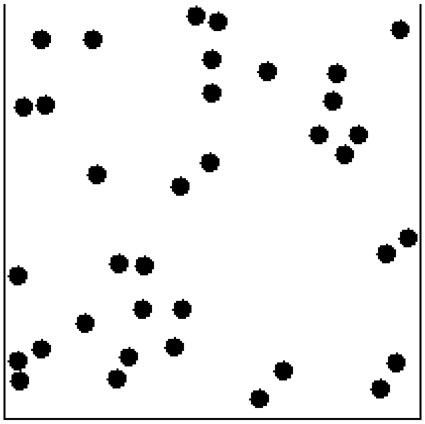

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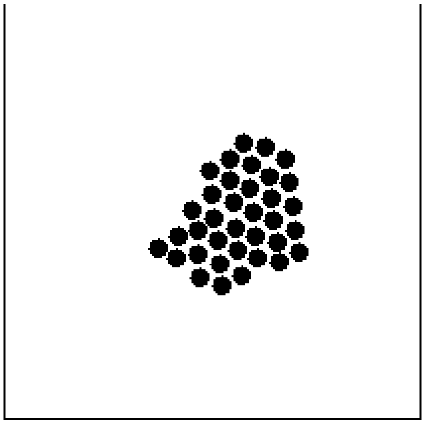

Table.1□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□	□□□□□□□	□□□□□□
□□□□□□	0.76 (1.05)	2.06 (1.56)
□□□□□□	1.56	0.56

	(1.40)	(1.00)

n=200

Table.2[illegible]

[illegible]	t[illegible]
[illegible]	t(199)=10.25**
[illegible]	t(199)=8.62**
[illegible]	t(199)=6.99**
[illegible]	t(199)=12.26**

**p<.01,*p<.05

[illegible]

2012.07[illegible]

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Figure1[illegible]

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[illegible]

[illegible]Table1[illegible]

[illegible]t[illegible](n=200)[illegible]Table2[illegible]

[illegible](t(199)=20.01,p<.01)[illegible]

[illegible](t(199)=8.34,p<.01)[illegible]

[illegible](t(199)=13.21,p<.01)[illegible]

[illegible](t(199)=19.47,p<.01)[illegible]

[illegible]

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Figure.1 □□□□□□□□□□□□□
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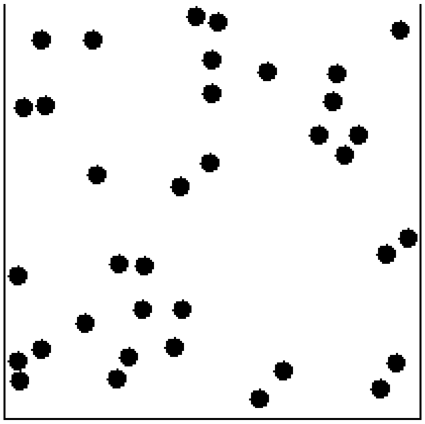

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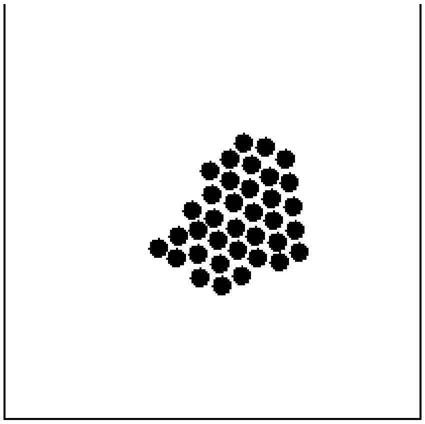

Table.1□□□

□□□□	□□□□□□	□□□
□□□□□□	0.32 (0.83)	2.75 (1.28)
□□□□□□	1.81 (1.47)	0.64 (1.09)

n=200

Table.2□□□□□□□□□□□□□□□□□□□□

□□□□	t□□
□□□□□□□□□□□□□□	t(199)=20.01**
□□□□□□□□□□□□□□	t(199)=8.34**
□□□□□□□□□□□□□□□□□	t(199)=13.21**
□□□□□□□□□□□	t(199)=19.47**

**p<.01,*p<.05

[illegible]

2012.07[illegible]

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[[illegible]][illegible]Ar([illegible])[illegible]Java[illegible](2002)[illegible]web[illegible]20[illegible]([illegible])[illegible]300[illegible]([illegible])[illegible]30[illegible]windowsmediavideo[illegible]web[illegible]Figure1[illegible]

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[illegible]

[illegible]Table1[illegible]

[illegible]t[illegible]$(n=200)$[illegible]Table2[illegible]

[illegible]$(t(199)=10.60, p<.01)$[illegible]

[illegible](t(199)=4.92,p<.01)[illegible]

[illegible](t(199)=10.17,p<.01)[illegible]

[illegible](t(199)=9.34,p<.01)[illegible]

[illegible]

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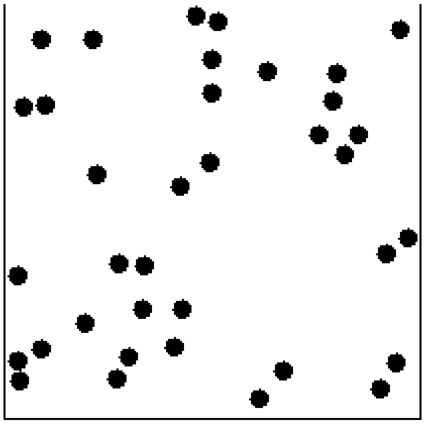
[illegible]

Figure.1 [illegible]
[illegible]

[illegible]



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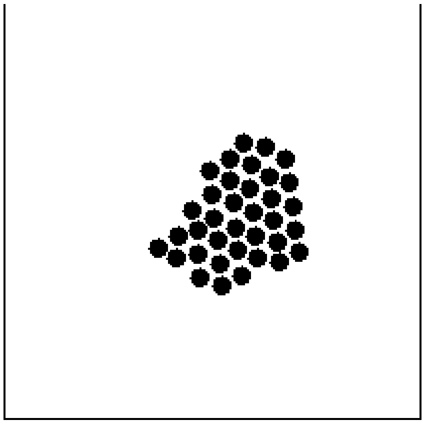

Table.1□□□

□□□□	□□□	□□
□□□□□□	0.53 (0.94)	2.02 (1.46)
□□□□□□	1.67 (1.44)	0.89 (1.31)

n=200

Table.2[illegible]

[illegible]	t[illegible]
[illegible]	t(199)=10.60**
[illegible]	t(199)=4.92**
[illegible]	t(199)=10.17**
[illegible]	t(199)=9.34**

**p<.01,*p<.05

[illegible]

2012.07[illegible]

[illegible]

[illegible]

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[[illegible]][illegible]200[illegible]105[illegible]95[illegible]web[illegible]
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[illegible]

[illegible]Table1[illegible]

[illegible]t[illegible]($n=200$)[illegible]Table2[illegible]

[illegible]($t(199)=0.04$)[illegible]

[illegible]($t(199)=4.75, p<.01$)[illegible]

[illegible]($t(199)=2.36, p<.05$)[illegible]

[illegible]($t(199)=3.82, p<.01$)[illegible]

[illegible]

[illegible]

□□□

□□

Figure.1 □□□□□□□□□□□□□
□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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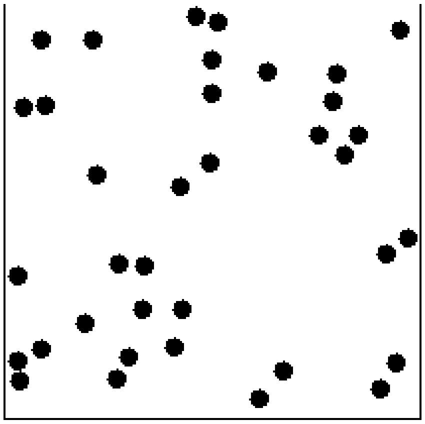

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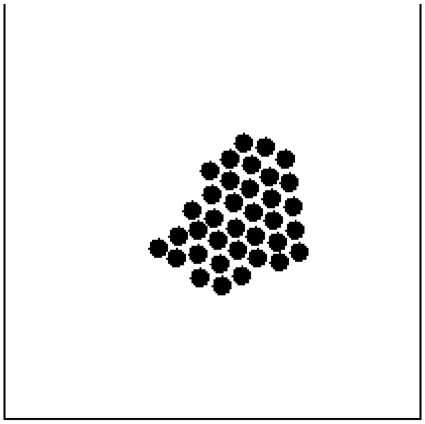

Table.1□□

□□□□	□□□	□□□
□□□□□□	1.08 (1.32)	1.08 (1.23)
□□□□□□	1.36 (1.40)	0.71 (1.03)

n=200

Table.2□□□□□□□□□□□□□□□□□□□□

□□□□	t□□
□□□□□□□□□□□	t(199)=0.04
□□□□□□□□□□□	t(199)=4.75**
□□□□□□□□□□□	t(199)=2.36*
□□□□□□□□□□□	t(199)=3.82**

**p<.01,*p<.05

[illegible]

2012.07[illegible]

[illegible]

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[illegible] web [illegible] 2 [illegible] 200 [illegible]

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[illegible]

[illegible]Table1[illegible]

[illegible]
[illegible]t[illegible](n=200)[illegible]Table2[illegible]

[illegible]
[illegible]
(t(199)=13.20,p<.01)[illegible]

[illegible]
[illegible]
(t(199)=8.33,p<.01)[illegible]

[illegible]
(t(199)=0.36)[illegible]

[illegible]
[illegible]
(t(199)=4.76,p<.01)[illegible]

[illegible]

[illegible]

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Figure.1 [illegible]
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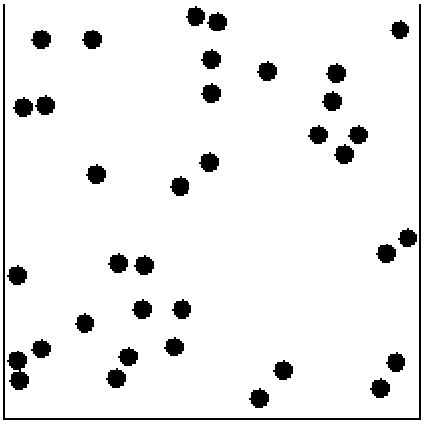

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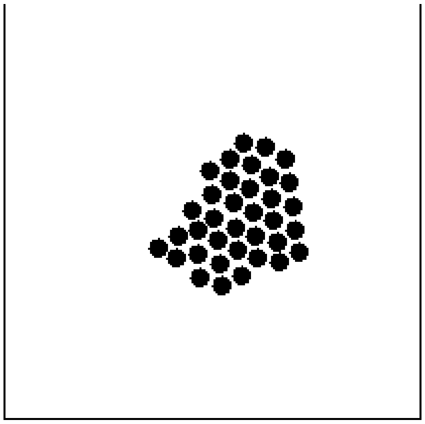

Table.1□□

□□□□	□□□□□□□□	□□□□□□□□□□

□□□□□□	0.59 (0.98)	2.29 (1.45)
□□□□□□	0.62 (1.04)	1.65 (1.43)

n=200

Table.2□□□□□□□□□□□□□□□□□□□□

□□□□	t□□
□□□□□□□□□□□□□□□□□□□□□□□	t(199)=13.20**
□□□□□□□□□□□□□□□□□□□□□□□	t(199)=8.33**
□□□□□□□□□□□□□□□□□□□□□	t(199)=0.36

[illegible]	t(199)=4.76**

**p<.01,*p<.05

[illegible]

2012.07[illegible]

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[illegible]Table1[illegible]

[illegible]t[illegible](n=200)[illegible]Table2[illegible]

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Figure.1 [illegible]
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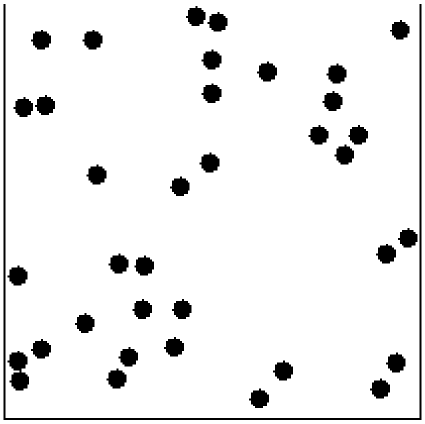

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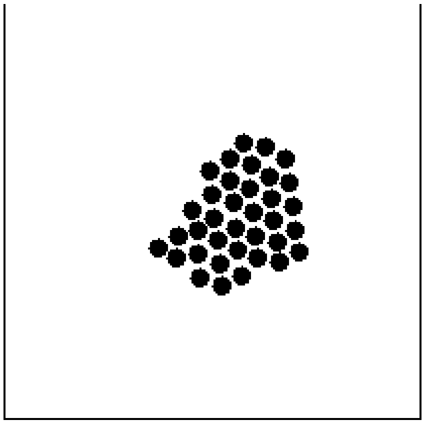

Table.1[illegible]

[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	0.38 (0.94)	2.60 (1.41)	1.81 (1.55)
[illegible]	2.30 (1.51)	1.08 (1.41)	1.40 (1.34)

n=200

Table.2[illegible]

[illegible]	t[illegible]
[illegible]	t(199)=17.13**

[illegible]	t(199)=10.71**
[illegible]	t(199)=6.00**
[illegible]	t(199)=7.36**
[illegible]	t(199)=6.17**
[illegible]	t(199)=2.75**
[illegible]	t(199)=15.95**
[illegible]	t(199)=11.95**
[illegible]	t(199)=2.85**

**p<.01,*p<.05

[illegible]

2012.07[illegible]

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□□t□□□□□□□□□□(n=200)□□□□Table2□□□□□□□

□□□(t(199)=9.58,p<.01)□

□□□(t(199)=8.44,p<.01)□

□□(t(199)=11.25,p<.01)□

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Figure.1 □□□□□□□□□□□□□
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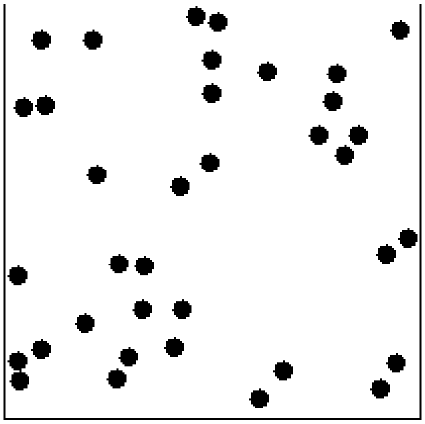

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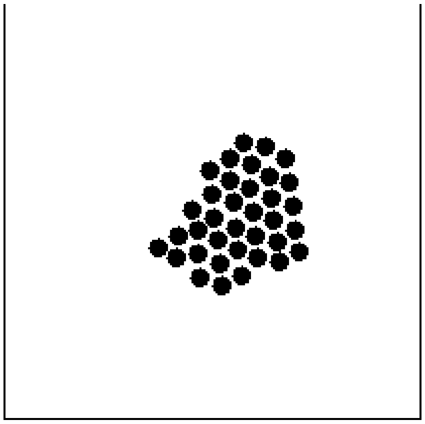

Table.1□□

□□□□	□□□	□□□
□□□□□□	0.88 (1.17)	2.21 (1.41)
□□□□□□	2.22 (1.40)	1.00 (1.27)

n=200

Table.2[illegible]

[illegible]	t[illegible]
[illegible]	t(199)=9.58**
[illegible]	t(199)=8.44**
[illegible]	t(199)=11.25**
[illegible]	t(199)=9.72**

**p<.01,*p<.05

[illegible]

2012.07[illegible]

[illegible]

[illegible]

[illegible]web[illegible]2[illegible]200[illegible]

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[illegible]

[illegible]Table1[illegible]

[illegible]t[illegible](n=200)[illegible]Table2[illegible]

[illegible]($t(199)=6.63, p<.01$)[illegible]

[illegible]

[illegible]

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Figure.1 □□□□□□□□□□□□□
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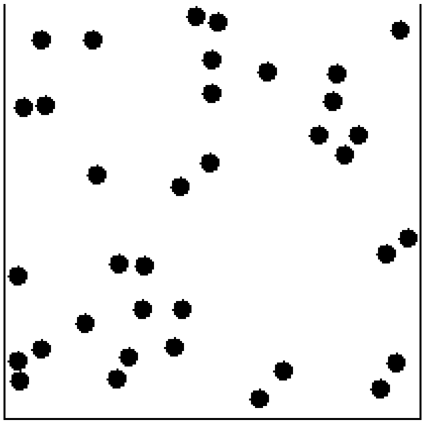

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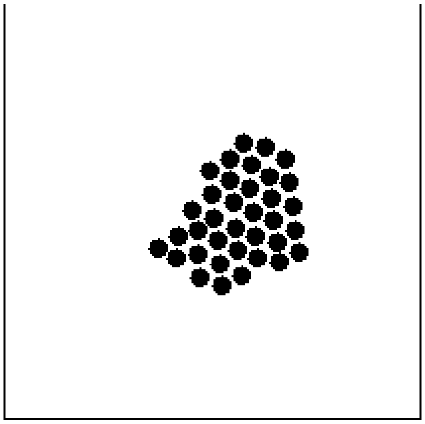

Table.1□□

□□□□	□□□□□□□□□
□□□□□□	0.54 (0.96)
□□□□□□	1.24 (1.33)

n=200

Table.2□□□□□□□□□□□□□□□□□□□□

□□□□	t□□
□□□□□□□□□□□□□□□□□□□□□□□	t(199)=6.63**

$^{**}p<.01,{}^{*}p<.05$

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2012.07[illegible]

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[illegible]

[illegible]Table1[illegible]

[illegible]t[illegible]$(n=200)$[illegible]Table2[illegible]

[illegible]$(t(199)=8.95, p<.01)$[illegible]

[illegible]

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Figure.1 [illegible]
[illegible]

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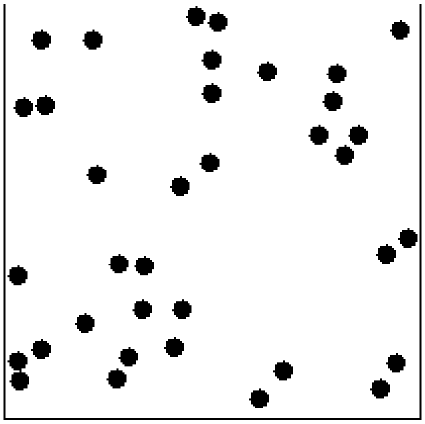

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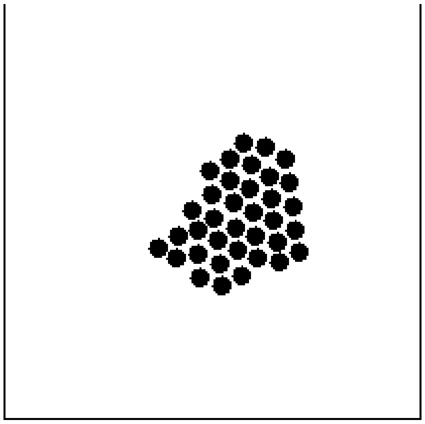

Table.1[illegible]

[illegible]	[illegible]
[illegible]	1.76 (1.46)
[illegible]	0.69 (1.10)

n=200

Table.2[illegible]

[illegible]	t[illegible]
[illegible]	

	t(199)=8.95**

**p<.01,*p<.05

[illegible]

2012.07[illegible]

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□□□(n=200)□□□□Table2□□□□□□□

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(t(199)=2.14,p<.05)□

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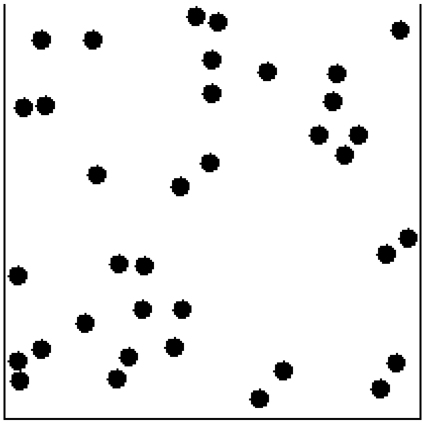

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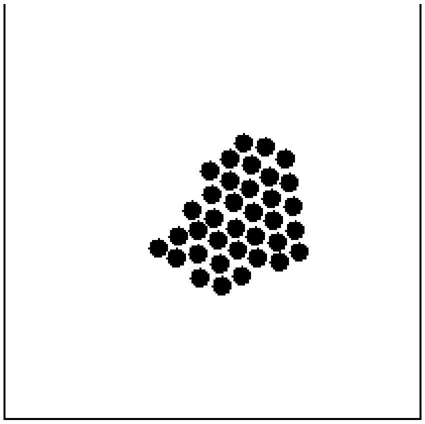

Table.1□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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□□□□□□	0.85 (1.22)
□□□□□□	0.66 (1.08)

n=200

Table.2[illegible]

[illegible]	t[illegible]
[illegible]	t(199)=2.14*

**p<.01,*p<.05

[illegible]

2012.07[illegible]

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[illegible]web[illegible]2[illegible]200[illegible]

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[illegible]

[illegible]Table1[illegible]

[illegible]t[illegible]$(n=200)$[illegible]Table2[illegible]

[illegible]
$(t(199)=13.58, p<.01)$[illegible]

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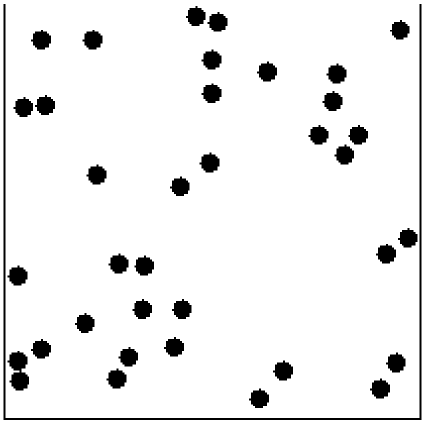
[illegible]

Figure.1 [illegible]
[illegible]

[illegible]



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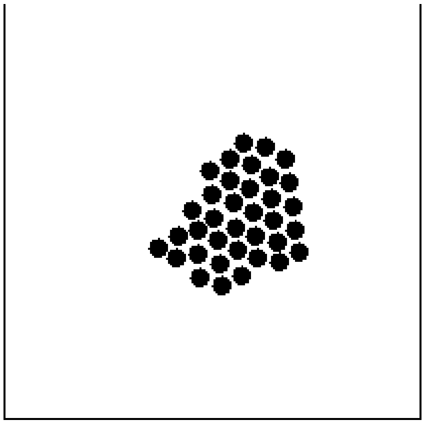

Table.1□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□	□□□□□
	0.53

[illegible]	(0.98)
[illegible]	2.14 (1.47)

n=200

Table.2[illegible]

[illegible]	t[illegible]
[illegible]	t(199)=13.58**

**p<.01,*p<.05

[illegible]

2012.07[illegible]

[illegible]

[illegible]

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[illegible]

[illegible]Table1[illegible]

[illegible]t[illegible](n=200)[illegible]Table2[illegible]

[illegible]($t(199)=14.06, p<.01$)[illegible]

[illegible]

[illegible]

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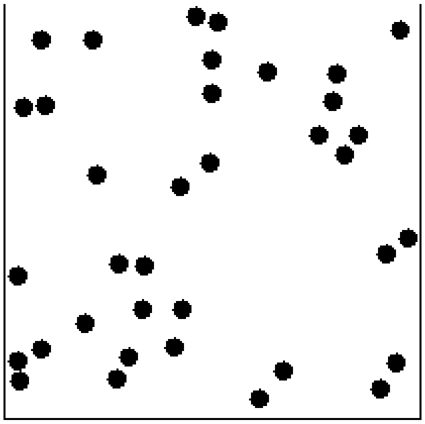

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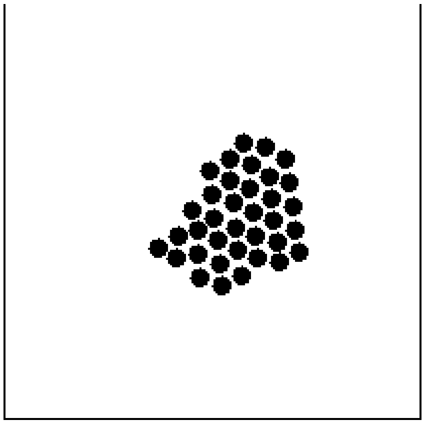

Table.1[illegible]

[illegible]	[illegible]
[illegible]	0.49 (0.96)
[illegible]	2.00 (1.45)

n=200

Table.2[illegible]

[illegible]	t[illegible]

[illegible]	t(199)=14.06**

**p<.01,*p<.05

[illegible]

2012.07[illegible]

[illegible]

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[illegible]

[illegible]Table1[illegible]

[illegible]t[illegible](n=200)[illegible]Table2[illegible]

[illegible](t(199)=12.31,p<.01)[illegible]

[illegible]

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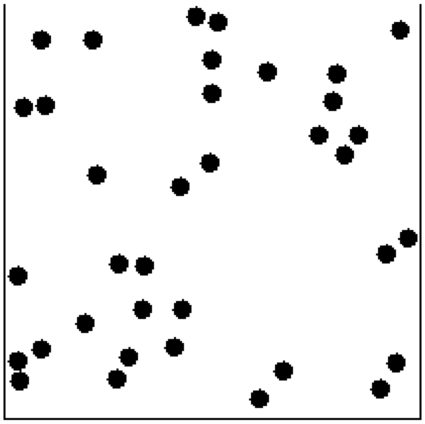
Figure.1 [illegible]
[illegible]

[illegible]



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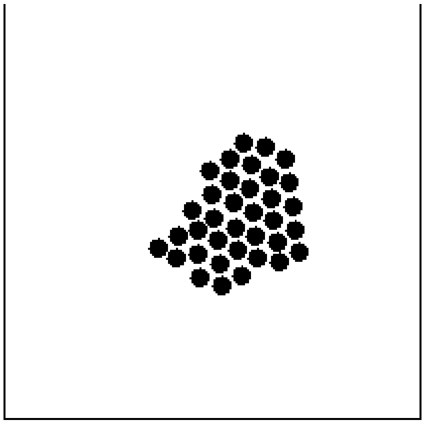

Table.1□□□

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□□□□□□	0.48 (0.91)
□□□□□□	1.84 (1.46)

n=200

Table.2[illegible]

[illegible]	t[illegible]
[illegible]	t(199)=12.31**

**p<.01,*p<.05

[illegible]

2012.07[illegible]

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Figure.1 [illegible]

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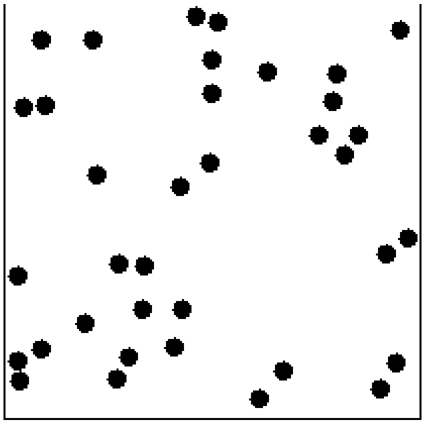

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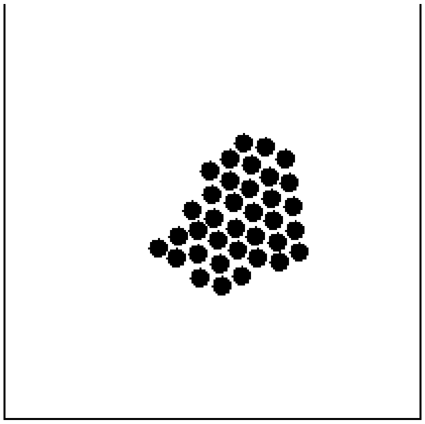

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□□□□□□	2.12 (1.52)

n=200

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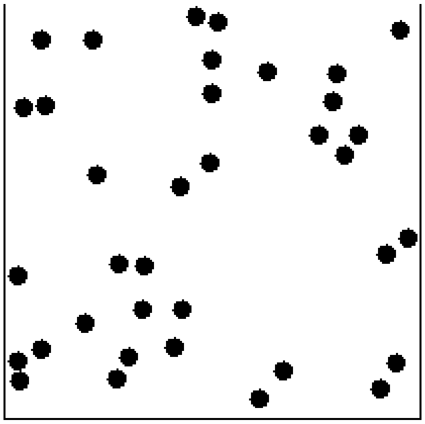

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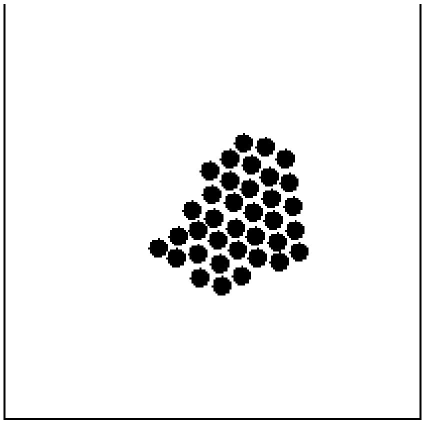

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□□□□□□	0.66 (0.97)
□□□□□□	2.32 (1.39)

n=200

Table.2[illegible]

[illegible]	t[illegible]
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[illegible](t(199)=13.64,p<.01)[illegible]

[illegible](t(199)=5.87,p<.01)[illegible]

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Figure.1 [illegible]
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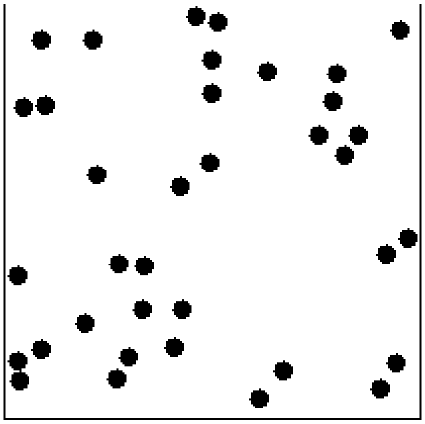

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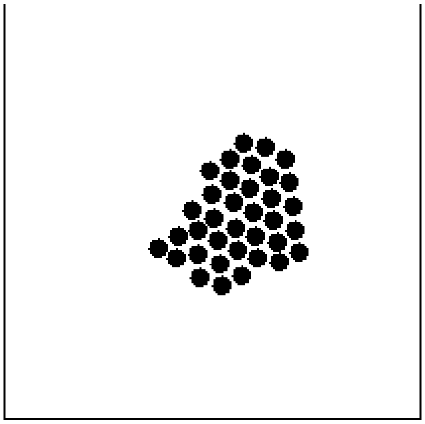

Table.1[illegible]

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[illegible]	2.21 (1.47)	0.5 (0.93)

n=200

Table.2[illegible]

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[illegible]	t(199)=5.87**
[illegible]	t(199)=10.14**

**p<.01,*p<.05

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(c)1992[illegible]

Gaseous behavior, liquid behavior Document

- to the action of nature - human and social substance -

The seventh edition Iwao Otsuka

Introduction

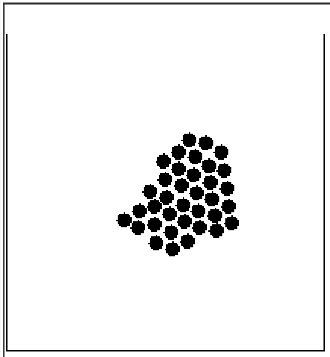
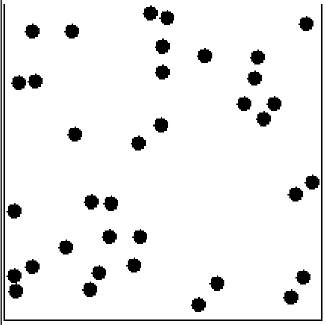
This document is about gas and liquid, gas and liquid. Describes the types of dynamic patterns produced by gas and liquid, gas and liquid molecular motion. Materials, human-social behavior patterns, and ideologies are classified into two types, gas-molecule behavior type and liquid-molecule behavior type (gasism, liquidism), and explanations are provided through videos.

Bite explanation

(c) 1992-2005 first appearance

Explanation with video ↓ The

following video is created based on the molecular motion program of "Molecular toy box" (mike 's site) .
All rights reserved.

Liquid molecular motion pattern] movement of the liquid person and goods = mutually adjacent (integrated-fusion) , fixing (settled)	[Gas molecular motion pattern] Gaseous human / object movement = mutual discrete, movement
	

What feeling or personality, gas basis - liquid basis do you feel that?

For an intuitive grasp, see the video above (" Peak molecular motion pattern " " Liquid molecular motion pattern ") . Human beings, people and goods, the gas molecules movement pattern moving in, and meet to present gas specifically , the liquid molecules movement pattern moving in, meet and to present liquid manner I feel. In the sense of objects, objects that are sticky and do not separate are perceived as liquid, and objects that are separated and sharp are perceived as gaseous . In interpersonal relationships liquid specific person's personality, owner of the liquid principle is, (1) to and from other people around, close to the opponent, stick sticky (close-adhesive, fusion to) not about to leave, Prefer to apply force equivalent to "intermolecular force" such as "attractive force" or "bonding force" . (2)

It is a person with "low speed fixation / settlement" that does not move and stays in one place from low speed .

On the other hand, gas specific person's personality, the owner of the gas doctrine, (1) psychological "attraction" to "binding force" (equivalent to "intermolecular forces") , and between the other people around, too Do not try to work = Prefer to stay apart from each other without approaching or sticking to the other person , (2) Have "high-speed movement, activity, mobility" that will move fast and vigorously without stopping at one place People.

In summary, " gas-like = mutual discrete, high-speed movement " = " gas molecule motion pattern ", " liquid = mutual proximity (integration / fusion) , low-speed fixation (settlement) " = " liquid molecule motion pattern " (above (See video) . Psychological `` attractive force, binding force ' ' equivalent to `` intermolecular force ''

acting between liquid molecules will be close to each other in the human mind psychologically close to each other (shortening the psychological distance) trying to zero Te, connection and coupling try, would one) to "psychological proximity oriented" it will be considered to be. Become emotionally attached mother to give it a hug and children , such as human relations of feeling to stick sticky each other in, among them, the "psychological proximity oriented" has worked, liquid specific human relations can be said to be. People in Japanese and East Asian societies that work mainly in agriculture and maternity (female) follow the ideology-liquidism (liquidism) that seeks to move in a liquid molecule . People in Western societies that move around paternity (male) follow the ideology- gasism (gasism) that tends to move in a gaseous and molecular manner and can be said to be gaseous .

Law of perception of gaseous and liquid behavior

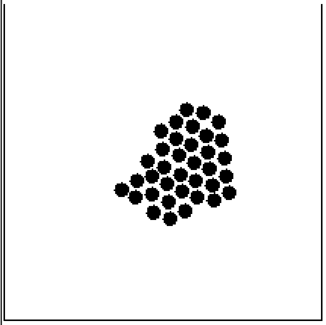
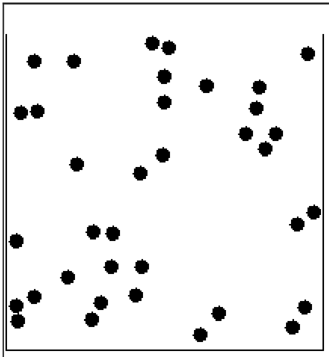
2005.09 First appearance

Humans feel gaseous when they encounter the gaseous behavior and the patterns I call (moving people and things) , and feel liquid when they meet the pattern called liquid behavior. This can be called the law of gas / liquid perception. You can immediately experience what gaseous and liquid behaviors are like by playing videos.

The movement pattern of the analysis target (group) is distinguished into the following gaseous behavior and liquid behavior .
G is a gas = Gas , L is the liquid = Liquid is an acronym for.

In the following, the movement of gaseous behavior and liquid behavior is shown by a moving image (WindowsMediaVideo) .

The following video is based on the molecular motion program of "Molecular toy box" (mike 's site) .
All rights reserved.

Liquid behavior = liquid type = liquid molecular motion pattern	Gaseous behavior = gas type = gas molecule motion pattern
	

(The video is original, liquid behavior in liquid molecular motion , the gas behavior is gaseous molecular motion are those made from computer simulations.)

[Law]

Humans

(1) When you encounter, hit or touch gaseous behavior , you feel gaseous .
(2) When you encounter, hit, or touch liquid behavior , you feel liquid . Gaseous behavior and liquid behavior are universal patterns that commonly apply to the movements of molecules and objects and human relationships.

The characteristics of gaseous behavior and liquid behavior can be expressed in words as follows.

Analysis perspective	Liquid behavior	Gaseous behavior
(1) approach	Stick together. Get closer.	Separated from Sarari. Break away.
(2) Connection	Continuous. Connect. To adhere.	Disconnect (relationship) .
(3) Landing	Stick. Stick.	Peel off.
(4) Cling	I cling to it. Entertain.	break up.
(5) Set	get together. High density.	Scatter. Low density.
(6) One	Integrate and fuse. Become one.	It is apart. Independent of each other.
(7) Same	Is the same.	Wrong. Take another path.
(8) Speed	Be slow.	fast.
An example	Liquid molecular motion. Freshly made mochi.	Gas molecular motion. Silica gel grains, marbles.

In human skin tactile sensation, audiovisual object perception, molecules of gaseous behavior (fast, separated apart from each other, not sticking, scattered individually) -objects hit the skin (contact) , see, ear When you confirm its existence , it feels gaseous . Molecules of liquid behavior (slow, sticking to each other, high density, distributed in a group) -Objects hitting (contacting) the skin , visible, feeling fluid when confirmed by ears . Humans, in socializing, gas behavior human relations (mutually apart into discrete, self-supporting and separately free to move about) in hits (contact) with, inside the heart gases manner feels. Liquid behavior human relations (not away stick integrated with each other, work together) hits the (contact) and, in the interior of the heart fluidly feels.

Gaseous behavior and liquid behavior are common pattern recognition areas in the nervous system (gas behavior and The field of discriminating liquid behavior) is activated, and it can be said that judgment is brought about.

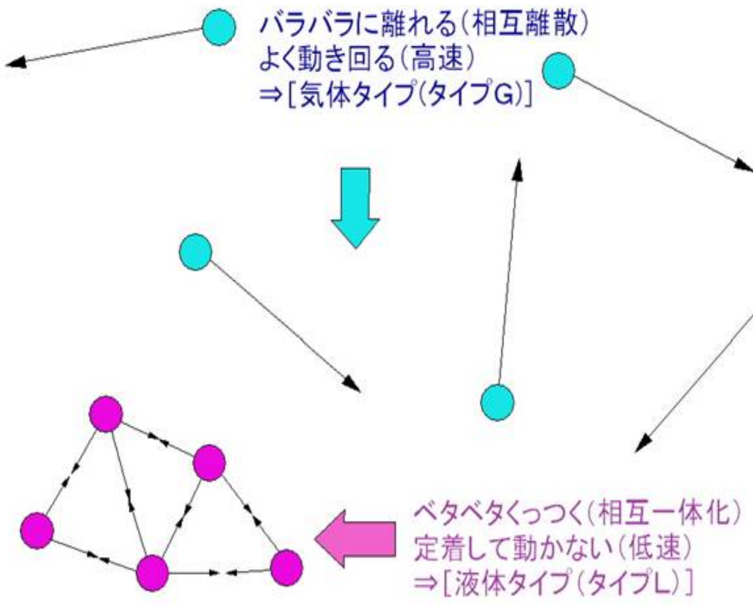
2007.10 First appearance

Brief summary (gas / liquid sensation / character)

(c) 1999-2005 first appearance

Here is a brief summary of the underlying principles that create gaseous and liquid sensations and personalities.

[Overview] The following figure summarizes the movement and behavior patterns common to gaseous and liquid objects (including molecules)-people.



タイプG（気体的）・タイプL（液体的）の人・物体の説明

The content of this document clarifies how the character and attitude of human beings gives gas and liquid feelings to people around them and how they work. Until now, there was no knowledge that human characteristics and attitudes can be classified into gaseous and liquid types. The author first investigated the general nature of materials, when and how they felt gaseous and liquid . As a result, (1) liquid feeling is felt when human skin touches liquids such as water , and (2) gaseous feeling, human skin touches gas such as air . is felt at the time , I was sure first that. Then, gas specific , fluidly give the feeling to the human skin, gas and liquid and is, how distinct, was investigated. As a result, it was found that it was necessary to descend to the microscopic world of the molecular level to know the difference between the two . When examining the difference between the two at the molecular level , the difference in properties between liquid molecules and gas molecules was

[1] Difference in degree of movement (1) In liquid , the degree of movement (kinetic energy) is small (much less moving) (2) In gas , the degree of movement (kinetic energy) is large (move well)
[2] " intermolecular force degree difference in the working of the " (1) liquid in, between the molecules with each other, to reduce the distance of each other, each other stick to attract each other, or each other to pull the leg, mutual checks and balances," intermolecular force force called "
However, (2) gas has a significant effect on the point that the intermolecular force , which sticks, bonds, and connects with each other, between molecules , hardly works. I confirmed. " Intermolecular forces degree of Working" is liquid at large , gas in small is given (1) the liquid molecules in the degree to move around (kinetic energy) is small for, originally present between the molecules, closer to each other, they are attracted force (intermolecular force) can not move around shaken off, stick together, bonded to each other forces (intermolecular force) of it is a compliant (2) gas molecules in, move about the degree (kinetic energy) is greater for It can be said that it is possible to move around by pulling away the force (intermolecular force) that approaches and attracts each other between molecules , and is free from the influence of " intermolecular force" . (So far, this is the story of a high school-level physics and chemistry textbook in Japan.) In liquids , molecules attract each other and stick together . Its application also makes it difficult to stick to, adhere to, and release from sensory receptors on human skin . In gas , molecules move apart . In this application, it is separated from the sensory receptors of human skin , does not stick, and is easily separated .

The author thought that the mechanism by which liquid such as water and gas such as air give a liquid and gaseous feeling to human skin is widely applicable to general objects. That is, (1) the object movement and activities, mobility is high , acting therebetween attraction, binding force is smaller if, gases manner is (2) of the object, movement and activities, mobility is low , mutual acting on the attraction, bonding force is large case, liquid basis is a law is established that, I thought. In this case, to each other in the object sticky, clammy when you Kuttsuko together with adhesive, the adhesive-binding is exerted between the object mutual attraction (I Chijimeyo a distance from each other, a force to Ao stick without departing from each other) increase the then, the object of the exercise and activities and movement of the take away (to difficult to move) in the form, the object liquid manner it will bring nature. To summarize in words easy to understand the above idea, in general, sticky, adhesive force there is, to each other and stick together sticky, too immobile object is fluidly , Tebanare well , each other move around smooth and away from the object gas basis felt Can be said.

The author, then, the law of the above-mentioned object level, human beings in socializing, Against each other, fluidly - gas specific regard to the mechanism that gives the feeling, common that it would be applicable to, I thought. That is,

(1) a person, (fluidly feeling give liquid as seen in) fixing and settle in one place and not trying Ugokimawaro less , and, among other people around, one another When pulling, restraining, or binding (trying to exert a great deal of psychological gravitational or binding power) without shrinking, approaching, attracting, and separating , the person is It feels liquid

(2) a person, (gas manner gives the feel gas As with) tries to move without fixing in one place, will actively Ugokimawaro and, and, among other people around, together He thought that he felt gaseous when he was moving apart and independent (not exerting psychological gravitational pulls) , moving apart and staying apart . And the above hypothesis (just as the magnitude of " kinetic energy " and " intermolecular force " is the source of the difference from liquids and gases at the molecular level , " movements that move around without stopping at one place , The magnitude of `` activity / mobility '' and `` attractive force of a person trying to work with the other party- force like adhesion / bonding force (force equivalent to intermolecular force) '' is a liquid of character and attitude at the human level basis - gas

basis has become the basis of the difference in nature) that is correct, and a questionnaire survey was actually confirmed.

To summarize the above explanation in easy-to-understand terms, in interpersonal relationships:

(1) Psychologically, with a sense of unity with the opponent, not sticking and sticking away (adhesive, adhesive, connected, connected) , and , as it is not going to move (with the fixing and sedentary) person fluidly feel are

(2) to be close to the opponent, you Kuttsuko, without trying to Fukairi, away from the immediate Sararito (non-adhesive and non-adhesive - of cutting property) , and, to move to move around from place to place active (with the movement and activities, mobility) human gas basis feels are considered.

In this case, integration / adhesion / adhesion / connection / coupling force is considered to be a form of attractive force, similar to the intermolecular force of liquid molecules , in that they tend to approach, attract and adhere to each other . It also has the effect of non-moving (activity, exercise, fluidization) = settlement and settlement, which keeps people and things on the spot and keeps them from moving . Regardless of whether it is human skin sensation or interpersonal sensation, if it does not separate and fuse together while being connected and connected together with a sticky stickiness, and if it does not move as it is still, it will feel liquid in common It is presumed that the opposite (when moving away and well) is commonly felt gaseous . In this regard, it seems that gas and liquid skin sensations and interpersonal sensations commonly activate the same part of the sensory cortex in the nervous system . Then, what is the substance of psychological attraction and cohesion that gives a liquid sense in interpersonal sensation ? It is inherent in humans, `` Let's stay close to and psychologically close to others around us. and oriented to (psychological proximity-oriented) is '', it will be considered. When those who have psychological proximity to each other remove their geographical, economic, etc. conditions and constraints, and allow free movement, they naturally "physical" approach and stick together. Together and unite . In this regard, psychological proximity-oriented , the liquid molecules, liquid specific object with the physical proximity and integrated-oriented will say that it is a phenomenon with a common foundation. That is, (psychologically) mutually attract that is, of each other (in the psychological) progressively existing position closer will eventually become one hugging (integrated, fused) that is. To partner reduce the psychological distance continue to, ultimately trying to zero, you & Connect a strong directivity to be, it is as if between each other attraction felt like, in interpersonal sense liquid basis of It can be said that it brings a feeling. For example, mothers and cuddling delighted with it and children become emotionally attached to the mother, student and teacher and accept it that yearns to teacher, men and women in the love relationship , such as human relations of feeling to stick sticky each other in, in between them, this attraction The psychological proximity orientation equivalent to is working, and it can be said that it is a liquid human relationship .

As described above, each particle having a different size such as a gaseous / liquid person , an object, and a molecule has a common behavior / movement pattern between a gaseous case and a liquid case, even if the particle size is different. You can show that you have.

If the movement of each particle is the same as the movement pattern of a gas molecule, the movement of the particle is perceived by humans as a common gas from molecules to humans .

On the other hand, if the movement of each particle is the same as the movement pattern of the liquid molecule, the movement of the particle is perceived by humans as a common liquid from molecule to human .

Here, the gas molecules movement patterns are, gas specific (Gas) sense to give the , gas behavior will be referred to as.

In addition, liquid molecular motion pattern is, liquid basis (Liquid) sense to give the , liquid behavior will be referred to as.

By abbreviating this, for example, the liquid molecule group and the Japanese behavioral pattern conform to the common " liquid behavior ", and the gas molecule group and the Western people's behavioral pattern become the common " gas behavior ". Along, etc. can be expressed simply.

(c) 1999-2007 first appearance

List of liquid behavior and gaseous behavior- liquid, gas and motion, behavior type-

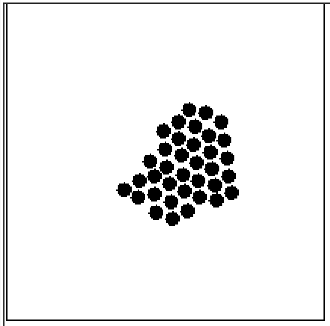
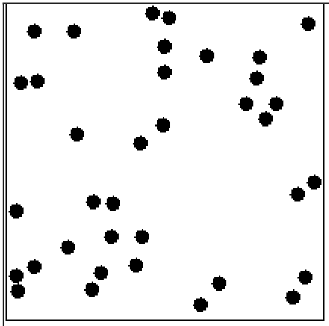
(Type L , Type G, Liquid type, Gas type)

2007.03-2009.06 first appearance

Humans feel gaseous when they encounter gaseous behavior in the explanation of this link (the pattern of movement of people and things) , and feel liquid when they encounter a pattern called liquid behavior. A table listing the movements of people, objects, and society corresponding to these gaseous and liquid behaviors is provided in a table format.

Liquid-type / liquid-like behavior and gas-type / gaseous behavior describe the nature, movement and creatures of various substances, from molecular size to human and social size, and the types of human-social, social, corporate, and national behavior. , Two contrasting types or patterns.

Omoto is based on molecular motion types, differences in patterns, and contrasts between liquid (Liquid) and gas (Gas) , but it is not limited to simple molecular motion, but broadly expands the properties of matter and the types of humans and society. It helps to explain it in two parts. [Note] The following video is based on the molecular exercise program of "Molecular Toy Box" (mike -san's website) . All rights reserved.

[Type L]	[Type G]	Statistical data verified
Liquid behavior	Gaseous behavior	
		
[Molecular motion type]		
Liquid molecular motion	Gas molecular motion	

[Particles, movement of individuals in general]		
◇ Kinetic energy, activity, speed		
Low kinetic energy. Do not exercise. Inactive and inactive.	Large kinetic energy. You are athletic. Active and active.	
It is slow. Be slow.	Be fast. fast.	
Stop, pause, stagnate. Settle and settle. Do not move.	To be active. Moving.	
The moving scale is small. Repeats minute vibration.	The moving scale is large.	
Movement is weak.	Movement is powerful.	
◇ Attraction, intermolecular force		
Attraction works. Attract.	Attraction does not work.	
(Intermolecular force works)	(Intermolecular force does not work)	
The volume is constant.	Swell. Expanding.	
Stick together. Get closer.	Separated from Sarari. Break away.	
Continuous. Connect. To adhere.	Disconnect (relationship) .	
Stick. Stick.	Peel off.	
I cling to it. Entertain.	break up.	
get together. High density.	Scatter. Low density.	
Integrate and fuse. Become one. United.	It is apart. Independent of each other. Split.	
Is the same.	Wrong. Take another path.	
Intervals, gaps and gaps are small.	Large gaps, gaps and gaps.	
[Human, creature character, behavior]	(Individual, individual level-society, organization, company level)	
◇ Action speed		
Low speed	high speed	
static	dynamic	

◆ Passive	◆ Active	○
Passive	Active, behavioral	
	Energetic	
Inefficient, high cost	Efficient, low cost	
Reception, receptive orientation	Outgoing orientation	
Introduction, import-oriented	Foreign conduction, missionary, export-oriented	
Dissolve, digest, absorb, take in	Get out, exhibit, output	
Swallow, embrace		
Passive, waiting for instructions, entrusting others, relying on external pressure, shedding (not moving from myself)	Voluntary, spontaneous (willing to move from oneself)	
Subordinate	Independent	
Postponed (avoid decisions, decisions)	Decide, decide	
Waiting	Agile	○
Weak, discreet	Strong self-assertion, strong push	
Accepts, cushions, cushions, absorbs and softens impact	Fire, rush, shock	
Something done	Do something	
Be violated, violated	Violate, violate	
The victim strong victim consciousness (paranoid)	Be the perpetrator	
◆ Stop	◆ Move	
Stop, stagnant	Flow, fluctuating, flow-oriented	
Immobility, fixed (settled) , indigenous-oriented	Movement, diffuse orientation (rootless grass)	
Attachment to land	Indifference to land	
◆ Weight	◆ Lightweight	
Heavy		
Descend, sink	Rise, fly	
Earth (downward direction) directed to the (mother goddess faith)	Orientation to the sky (upward) (faith in God the Father of Heaven)	
Stood up, sat down, sedated	Blow away	
Crush (press weight) , press	Shoot (flying in space)	

◆ Preservation, protection	◆ Destruction, attack	
Conservative, conservative, observant, social (keep the rules)	Destructive, violent, antisocial	○
Defensive, defensive (defensive, receiving)	Aggressive, challenging (aggressive)	
Conservative, conservative, maintaining order	Transformative, reformative, and establishment of a new order	
Penalties (emphasis on the downside of things)	Point-to-point (emphasis on the plus side of things)	
Negative (negative)	Positive (positive)	
Passive	positive	
Failure, do not tolerate errors	Failure, tolerating errors	
◆ Micro	◆ Macro	
Micro	Macro	
Local, local	Global, global	
Small scale (small)	Large scale (wide)	
Fine-grained	Rough, coarse	
Delicate, delicate	bold	
Wiggle, gradual (small improvement)	Drastic	
◆ body weight	◆ Light	
Profound, possessive	Nimble, have nothing	
Cumulative, stock-focused		
Preserve		
Knowledge-oriented, emphasis on knowledge amount Emphasis on memorization ability		
Anything, generalist, all-round	(Good thing to) specialized, specialists, to sift	
◇ Action direction		
Get closer	Leave	
Shorten the distance	Extend the distance	
◆ Constant volume	◆ Volume expansion	

Does not spread. Does not expand. Maintain the size of the existing area as it is. Minimize surface area (surface tension works).	Spread. Expanding. spread.	
United. Band together.	Scatter apart.	
	Propagate. Spread. Make it fashionable.	
Be local. Limited. narrow.	Global (extends worldwide). There is no limitation. Wide (widely spread around the world)	
Local. It is limited to the area.	Universal (spread all over the world).	
Deter (swelling).	Swell.	
	The whole area is colonized by ourselves.	
◆ Group	◆ Single	
Population principle (population, prefer collective action)	Individualism (individuals, prefer single action)	
Dense, cohesive (high density) , concentrated	Dispersion, diffusion (low density) , discrete	
Stuffed, crammed	Roomy, roomy	
Narrow distribution	Wide distribution	
Centralized and centralized (discriminating and discriminating between central and local)	Decentralized universal orientation (no distinction between central and local)	
One pole	Multipolar	
Mainstream, majority (major) oriented	Respect for the minority	
Authoritarianism	Anti-authority	
	Advance into and interact with different fields	
◆ Affiliation, Solidarity	◆ Free	
Communal		
Emphasis on affiliation and belonging (emphasis on roots, independence, avoidance of free)	Emphasis on freedom, neglect of belonging (migratory birds, rootless grass)	

Emphasis on contact		
Emphasis on solidarity, connections and links	Cutting	
Relationship, connection (connection , faction) orientation (essential view of relationship)	Non-relational orientation (relationship means, tool perspective)	
Unite	Fall apart	
Other / human / human oriented	Unmanned	
Communication, conversation, dialogue orientation	Break communication, conversation, and dialogue	
Net, net oriented	Atomic orientation	
Focus on body surface		
◆ Restrictions	◆ Freedom	
Regulation / restriction / management / control principle (prefers restrictions and restrictions)	Freedom principle (prefer the freedom)	○
Restrain, pull foot		
Stop within the set frame	Extrude and break the designated frame	
Non-competitive escalator (simultaneous subscribers rising simultaneously)	Competitive (skip, overtake, drop out)	
	Meritocracy (emphasis on talented individuals in human resources, showing off individual abilities)	○
Sharing of results (individual results also belong to everyone)	Performance-based (emphasis on individuals who produce results, showing off individual results)	
Synchronous, side-by-side, equal orientation (uniform, even orientation)	Tolerance of inequality	○
	Market fundamentalism	
	Money, profit philosophy (truncating non-profitable objects)	
	Weak meat eating (cutting out weak people who can not stand alone)	

◆ same quality	◆ Heterogeneous	
Common, identical	Non-common, different	
Uniform	Respect for diversity	
(Psychological) Positional proximity, assimilation	(Psychological) location isolation	
Homogeneous	Heterogeneous, fragmented	
Force homogenization (pull the legs of the prominent and outliers, hit the stake that comes out)	Tolerate the outlier	
Immersive individuality, strangely inconspicuous	Individual	
Ordinary, ordinary	Weird and special	
Burial in the surroundings	Remarkable	
	Self established	
Matching, together		
I like uniforms		
Jealous (drop your opponent to the same level as you / catch up)		
◆ Dependent, dependent	◆ Independence, domination	
Subordinate	Independent	
Dependent	Autonomous	○
	Own	
Leaning		
Leave to others, waiting for instructions (of others)	Self-determined	
Obedient, hear what to say	Rebellious, silent, challenging	
Threatened (by the opponent) .	Threatens (other) .	
Poor (freshly) appear to. Humility, humbleness (pretending to be incompetent, helpless, reassuring others)	Good (Wow is) out to. make an appeal.	
Exploited (taken).	Exploit (take) your possessions. Vulture.	
Attacked, accused (received). (Masochism)	Attack, blame (attack). (sadism)	
Be violated.	commit.	

◆ Self-protection, safety	◆ Escort	
Conservative, decisive (protecting yourself is a priority)	Shield, Escort basis (outside of someone shield, become protective wall, priority is given to protect the others than his own life) desperate of	
Escort fleet (protected by each other) protected , helped, protected by someone	Self-defense, self-help	
Safety orientation (safety and security are top priorities. Avoid dangers.)	Danger orientation (tolerate danger; actively deal with danger)	○
Avoid failure	Tolerate failure	
Safe, not too big	Oriented to take risks	
Convoy-like		
(Safe, not attacked by external enemies) inside, depth-oriented	Outside (to confront foreign enemies), surface exposure, representative orientation	
◆ Anti-Privacy	◆ Respect for privacy	○
Anti-privacy (lack of personal space)	Securing privacy (securing personal space)	
Prefers a large room (likes being in a room with everyone)	Prefers private rooms (I prefer to be in separate rooms by myself)	
Monitor		
I'm worried about the gaze of others (feels like I'm being watched) and I'm ashamed. Sensitive to gaze.	Don't worry about the eyes of others.	
Sensitive to other people's reputation and reputation. Try to be seen by others. Care for looks, makeup and clothing. Look good. Trying to be liked by others. Fear. Trying to be praised by others. Proceed in a direction praised by others.	Go on my path (your own path you think you should go) without worrying about others.	
◆ Integration / Fusion	◆ Separation	
One-piece, fusion-oriented	Separation-oriented	

Inclusion, inclusion, hugs in a "bag"	External release, thrust	
Acceptance, receptive	Truncation	
I agree. I agree.	Oppose. to object. Disagree.	
Sympathize		
Yearn, follow		
Flirting, trying to like		○
Nostalgic, nostalgic, nostalgic		
Spoil		
Sneak (rebel with unacceptable roots)		
Forgive, forgive	Do not forgive, do not forgive	
Subjective	objective	
Cooperative, synchronic	Independent (going my way)	
Match		
Familiar		
Coalesce		
Trendy, trend-oriented (sensitive to and follows surrounding trends)		
Responsibilities are dispersed and spread. Liability avoidance possible. Possible to pass on responsibility. (Because it is everyone's act, it is difficult to identify who it is.)	Takes responsibility. No liability evasion. Impossibility of passing on responsibility. (Because it is a single act, it is pinpointed and identifiable who it is.)	○
Solidarity responsibility	Personal responsibility	
Unclear purpose, goal, direction of travel	Clear goals, goals, and directions	
◆ Other law	◆ autonomous	
Heterogeneous	Autonomously	
Affected by surroundings, easily washed away	Unaffected by surroundings, hard to be washed away	
Infect, transmit		
◆ Harmony, agreement	◆ Disputes, differences	○
Harmonious orientation	Conflict-oriented	
Reconciliation-oriented	Litigation oriented	

Peace oriented	War-oriented	
Harmony and Kyowa orientation	Dissonance, dissonance, noise orientation	
Match-oriented	Difference-oriented	
unanimous	Majority decision, acceptance of broken friends	
Simultaneous pointing		
Coordinated and considerate (attentive)	Dogmatic, straightforward (not attentive)	
Prior consultation, decision-oriented (rigging, negotiating)	Real-time (in place) decision-oriented	
Act according to a script prepared in advance	Act on the fly	
◆ ambiguous	◆ Clarity	
Ambiguous orientation	Clear orientation	
Prefer indirect expressions	Prefer direct expression	
◆ Impressed	◆ Relentless	
Emotional, emotional, impressed	Emotionless, impressive	
Irrational, indivisible	Rational, logical, divisible	
Humanistic, caring, loving, merciful	Cold, brutal, don't think of people	
◆ narrow	◆ Wide	
Territory of each individual is narrow	Territory of each individual is wide	
Field of view, narrow field of view	Wide view, wide field of view	
Coherent, stuffing	Allowance for gaps, vacancies, and room	
◆ Closed	◆ Open	○
Closed	Open	
Dark (no gaps, no light)	Bright (there is a gap where light enters and enters)	
Distinguish between inside and outside (surface tension exists)	Do not distinguish between inside and outside	
Refusal of new entry	Accepting newcomers	

(refused at first glance)		
Externally concealed, concealed (inward)	Externally exposed, exposed, stated (outward)	
Inward (inner ring) limited, local orientation	Global, universal orientation	
Unable to escape (enter once, cannot be escaped if you belong, cannot escape . If you escape, you will be treated as a traitor.)		
◆ Imitation	◆ Original	○
Mimics, imitates, likes to copy	Original, sticking to the original	
Second-oriented (it is easy to use the first experience)	First, first, first orientation (because it is the first time, it is difficult)	
	Guinea pigs become experimental benches	
Use existing precedents, follow precedents	Make a precedent yourself, make way for the reverse	
Follow the established wisdom.	Break the consensus. Violates the established theory. Overturn. Breakthrough	
◇ Action speed x action direction		
Slow x approach	High speed x away	
◆ Existing	◆ Unknown	
Existing, stay in known area	Entering unexplored, unknown areas (exploratory)	○
Pointing to the area of light (already illuminated, seeing what is, pointing to the area where someone is)	Orientation to dark areas (dark and invisible, oriented to areas where you do not know what is waiting)	
Precedent, emphasis on convention		
Emphasis on senior-junior relationships (existing experienced people rank higher)		
Experts and scholars (with knowledge of existing correct answers)	(Xintiandi) develop, research (discovery and invention) oriented	

Prior knowledge orientation (only known in advance)	Real-time (on- the-fly) identification orientation (determine each time)	
◆ Regressive	◆ Advanced	
Backward	advanced	
Pre-modern, overcoming modern	(Western Europe) Modern	
◇ Others Others		
Feminine	Masculine	○
Maternal	Paternal	○
Motherhood system	Patriarchy, patriarchy	
Kin	Unrelated	
Romance, sexual bonding	Non-romantic, non-sexual	
Agricultural people (living in plant cultivation)	Nomadic and pastoral (live in animal breeding)	○
(Japanese, Chinese, Korean, Southeast Asian, Russian)	(Western, Nordic, North American, Arab, Mongolian)	
Planty (not moving)	Animal (moving)	
Rural	Urban	○
Oriental	Western	
Wet (indivisible, fragile, humane)	Dry (divisible, dull, lacking fun)	○
[Material properties (color, pitch, etc.)]		
Wet (wet, wet) , the sticky, wet door	Dry (dry) , dry	○
Approached, stuck	Distant	
Heavy, low, descent, downward	Light, high, rising, floating	

sedimentation, ground oriented	above, sky-oriented	
Dark, high density	Thin, pale, low density, light	
Continuous	Separation, cutting, disconnection, intermittent	
analog	digital	
Slow, slow	Fast, fast	
dark	bright	○
Warm (with humidification to the air in winter)	Cool (with dehumidification of air in summer)	
Round, dull, sweet	Pointed, sharp, spicy	
Soft, deform, catch	Hard, does not deform, bounces	
Curved, bent	Straight, straight	
	Logical	
Organic, biological (clothing, food, wood ...)	Inorganic, physical (machinery, equipment, gears, concrete ...)	

Liquid and gaseous behavior (liquid and gaseous behavior) verification data list

2006.12 -first appearance

Legend

■ liquid basis (liquid behavior) can be regarded as item ■ gas basis (gas behavior) items that can be regarded as a

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Answers the 1 answer period 2006 years 12 May 4 th
to 2006 years 12 May 9 days answer
number 206 M 49.515 Pasento woman 50.485 Pasento 10 generations 26.214 Pasento 20 generations 43.689 Pasento 30 generations 15.534 Pasento 40 generations 8.738 Pasento 50 generations 4.854 Pasento 60 generations 0.485 Pasento 70 generations 0.485 Pasento response rate

No.	Writing	dry	I don't feel (0)	Feel a little (1)	Somewhat feel (2)	Feel quite (3)	Feel very much (4)	Total value
		Wet	I don't feel (0)	Feel a little (1)	Somewhat feel (2)	Feel quite (3)	Feel very much (4)	Total value
1	liquid	dry	56.311	17.476	15.534	5.825	4.854	0.854
		Wet	23.301	13.592	17.961	21.359	23.786	2.087
Two	gas	dry	36.408	11.650	21.845	16.019	14.078	1.597
		Wet	41.748	24.272	16.990	11.165	5.825	1.150

Answers the 2 answer period

2007 years 6 May 16 days to 2007 years 6 May 20 days answer
number 207 M 49.275 Pasento
woman 50.725 Pasento 10 generations 31.401 Pasento
20 generations 33.816 Pasento
30 generations 19.807 Pasento
40 generations 9.662 Pasento
50 generations 4.831 Pasento
60 generations 0.000 Pasento
70 generations 0.483 Pasento response rate

No.	Writing	dry	I don't feel (0)	Feel a little (1)	Somewhat feel (2)	Feel quite (3)	Feel very much (4)	Total value
		Wet	I don't feel (0)	Feel a little (1)	Somewhat feel (2)	Feel quite (3)	Feel very much (4)	Total value
1	Approaching , slow	dry	68.116	14.493	8.696	3.865	4.831	0.628
		Wet	20.773	17.391	22.222	22.222	17.391	1.981
Two	Approaching , fast	dry	54.106	15.459	16.425	5.797	8.213	0.986
		Wet	28.019	23.188	15.459	18.841	14.493	1.686
Three	Leaving , low speed	dry	41.063	21.739	16.425	13.527	7.246	1.242
		Wet	40.580	17.874	14.010	13.527	14.010	1.425

Four	Leave , fast	dry	30.918	8.213	18.357	21.739	20.773	1.932
		Wet	62.802	18.357	8.696	5.314	4.831	0.710

Answers the 3 answer period

2007 years 8 May 21 days to 2007 years 8 May 31 days answer
number 201 M 52.239 Pasento
woman 47.761 Pasento 10 generations 30.348 Pasento
20 generations 33.333 Pasento
30 generations 20.896 Pasento
40 generations 13.433 Pasento
50 generations 1.990 Pasento
60 generations 0.000 Pasento
70 generations 0.000 Pasento response rate

No.	Writing	liquid	I don't feel (0)	Feel a little (1)	Somewhat feel (2)	Feel quite (3)	Feel very much (4)	Total value
		gas	I don't feel (0)	Feel a little (1)	Somewhat feel (2)	Feel quite (3)	Feel very much (4)	Total value
1	Femininely	liquid	38.806	19.900	19.403	11.443	10.448	1.348
		gas	68.657	11.443	10.448	4.975	4.478	0.652
6	Masculine	liquid	66.169	13.433	10.448	6.965	2.985	0.672
		gas	36.816	15.920	19.403	16.915	10.945	1.493
9	Maternally	liquid	54.229	18.905	14.925	6.468	5.473	0.900
		gas	80.597	11.443	5.473	1.493	0.995	0.308
Four	Paternally	liquid	79.104	8.955	9.453	0.995	1.493	0.368
		gas	63.184	14.428	10.945	6.468	4.975	0.756
Three	Agriculturally	liquid	41.791	16.418	20.398	14.428	6.965	1.284
		gas	63.682	15.920	12.935	3.483	3.980	0.682
8	Nomadic	liquid	53.234	15.423	12.935	10.448	7.960	1.045
		gas	48.259	15.920	15.423	6.965	13.433	1.214

Five	Japanese	liquid	29.851	17.413	20.398	16.418	15.920	1.711
		gas	58.209	14.428	12.935	8.458	5.970	0.896
Two	American	liquid	75.124	10.448	7.463	5.970	0.995	0.473
		gas	43.781	12.438	19.403	13.433	10.945	1.353
7	Imitatively	liquid	40.299	17.910	18.905	11.940	10.945	1.353
		gas	54.726	15.920	15.423	6.965	6.965	0.955
Ten	Original	liquid	66.667	14.428	7.960	5.970	4.975	0.682
		gas	35.821	18.408	19.900	11.940	13.930	1.498

Answers the 4 answer period 2007 years 9 May 15 days
to 2007 years 10 May 19 days answer
number 200 M 52.500 Pasento woman 47.500 Pasento 10 generations 27.500 Pasento 20 generations 36.000 Pasento 30 generations 23.000 Pasento 40 generations 10.000 Pasento 50 generations 3.500 Pasento 60 generations 0.000 Pasento 70 generations 0.000 Pasento response rate

No.	Writing	liquid	I don't feel (0)	Feel a little (1)	Somewhat feel (2)	Feel quite (3)	Feel very much (4)	Total value
		gas	I don't feel (0)	Feel a little (1)	Somewhat feel (2)	Feel quite (3)	Feel very much (4)	Total value
Ten	Focus on your own protection	liquid	14.500	9.500	15.000	25.000	36.000	2.585
		gas	39.500	17.500	21.500	12.500	9.000	1.340
1	Focus on your own safety	liquid	12.000	9.500	23.500	24.500	30.500	2.520
		gas	58.000	16.500	16.000	3.500	6.000	0.830
32	Like to be protected	liquid	7.500	8.000	13.000	22.500	49.000	2.975
		gas	62.000	15.500	8.500	7.500	6.500	0.810
13	To confront	liquid	61.500	17.500	14.500	4.500	2.000	0.680

	danger	gas	37.000	17.000	23.000	13.000	10.000	1.420
26	Like exploring	liquid	70.500	16.000	6.500	4.500	2.500	0.525
		gas	21.500	11.000	23.000	19.500	25.000	2.155
Two	Dependently	liquid	9.000	8.500	18.000	27.500	37.000	2.750
		gas	70.500	8.000	12.000	7.500	2.000	0.625
16	As independent	liquid	83.000	9.000	4.000	1.500	2.500	0.315
		gas	27.500	19.000	16.000	19.000	18.500	1.820
17	Like regulation	liquid	25.000	9.500	20.500	19.500	25.500	2.110
		gas	72.000	14.500	8.500	3.500	1.500	0.480
Three	Like freedom	liquid	77.000	9.500	6.000	4.000	3.500	0.475
		gas	12.000	8.000	13.500	22.000	44.500	2.790
7	Personally	liquid	77.500	10.000	5.500	3.000	4.000	0.460
		gas	24.000	11.500	19.000	18.500	27.000	2.130
Four	To have privacy	liquid	68.500	18.000	6.500	5.000	2.000	0.540
		gas	43.500	18.000	19.000	11.500	8.000	1.225
27	To keep the rules	liquid	16.000	10.000	17.500	23.500	33.000	2.475
		gas	61.500	21.500	9.500	2.500	5.000	0.680
twenty one	To break the rules	liquid	79.000	11.000	4.500	3.000	2.500	0.390
		gas	23.500	18.000	21.500	17.000	20.000	1.920
18	To avoid liability	liquid	17.000	14.500	20.000	19.500	29.000	2.290
		gas	30.000	21.500	19.000	14.000	15.500	1.635
Five	Take responsibility	liquid	65.500	19.000	9.000	4.000	2.500	0.590
		gas	66.500	14.000	12.000	4.000	3.500	0.640
8	Closed	liquid	12.000	13.500	14.000	22.500	38.000	2.610
		gas	53.500	18.000	7.000	11.000	10.500	1.070
twenty four	Exclusively	liquid	30.000	18.500	15.000	13.500	23.000	1.810
		gas	35.000	22.500	21.500	10.000	11.000	1.395

36	Openly	liquid	81.500	9.000	3.500	2.500	3.500	0.375
		gas	19.500	13.500	13.500	23.000	30.500	2.315
twenty three	Like harmony	liquid	18.000	14.000	16.000	23.500	28.500	2.305
		gas	55.500	23.000	15.000	4.500	2.000	0.745
30	Like harmony	liquid	15.500	10.500	23.000	21.000	30.000	2.395
		gas	63.000	17.500	10.000	6.500	3.000	0.690
11	Like fighting	liquid	72.500	13.500	10.000	1.500	2.500	0.480
		gas	28.000	15.500	22.000	16.500	18.000	1.810
29	Passively	liquid	15.000	21.500	16.000	23.000	24.500	2.205
		gas	53.000	18.000	12.500	10.500	6.000	0.985
12	Actively	liquid	52.500	24.000	11.500	7.000	5.000	0.880
		gas	16.500	16.500	18.500	24.500	24.000	2.230
twenty five	To be mobile	liquid	59.000	24.000	11.500	3.000	2.500	0.660
		gas	15.500	12.500	21.500	24.000	26.500	2.335
9	To be autonomous	liquid	73.000	13.500	7.500	3.500	2.500	0.490
		gas	22.500	17.000	18.500	21.500	20.500	2.005
20	Like side by side	liquid	26.500	12.500	16.500	18.000	26.500	2.055
		gas	69.500	14.500	9.000	4.500	2.500	0.560
31	Focus on individual abilities	liquid	71.000	18.500	4.500	4.000	2.000	0.475
		gas	27.000	15.500	21.000	18.000	18.500	1.855
33	Tolerate inequality	liquid	58.000	19.000	15.500	5.000	2.500	0.750
		gas	32.500	18.000	23.000	13.000	13.500	1.570
35	To like entrainment	liquid	10.500	10.500	16.000	24.500	38.500	2.700
		gas	59.000	15.500	8.000	11.500	6.000	0.900
34	To flirt	liquid	27.500	21.500	16.000	18.000	17.000	1.755
		gas	65.000	15.000	10.000	7.500	2.500	0.675
Fifteen	Cute	liquid	59.000	15.500	13.500	5.500	6.500	0.850
		gas	66.500	14.500	9.500	6.500	3.000	0.650
37	Rural	liquid	27.000	23.000	20.500	9.000	20.500	1.730
		gas	71.000	16.000	6.500	5.000	1.500	0.500

19	Urban	liquid	39.500	18.000	20.000	7.500	15.000	1.405
		gas	19.000	14.500	20.500	17.500	28.500	2.220
6	dark	liquid	22.000	14.500	25.000	15.000	23.500	2.035
		gas	60.000	16.500	7.500	8.000	8.000	0.875
twenty two	Bright	liquid	70.500	15.500	7.000	6.000	1.000	0.515
		gas	31.000	17.500	18.000	19.000	14.500	1.685
28	Warmly	liquid	44.500	25.000	15.000	9.500	6.000	1.075
		gas	59.000	21.500	12.000	5.000	2.500	0.705
14	Cold	liquid	48.500	19.500	17.000	5.500	9.500	1.080
		gas	40.000	19.500	17.000	11.500	12.000	1.360

About gaseous and liquid movements and actions

1992-2005 first appearance

The relationship between the motion and behavior of a person or an object that gives a gaseous / liquid feeling and the gas / liquid molecular motion is explained here.

The introduction of gaseous and liquid perspectives into human behavior has the effect of linking human interpersonal and social behavior with physics related to molecular and object movements, which had little contact so far.

In short, particles of different sizes, such as gaseous and liquid humans, objects, and molecules, have different behaviors and movements in gaseous and liquid cases, even if the particle sizes are different. You can show that you have it.

When the movement of each particle is the same as the movement pattern of the gas molecules, the movement of the particles is perceived by humans as gaseous, from molecules to humans.

On the other hand, when the movement of each particle is the same as the movement pattern of the liquid molecule, the movement of the particle is perceived by humans as a common liquid from molecules to humans.

(Note) I first came up with the above idea around 1992

(Note) It is necessary to make the above-mentioned liquid / gas molecular motion pattern more simplified, easier to call, and easier to remember.

In the following, the gas molecule movement pattern will be referred to as gaseous behavior by taking the initial D to give a gaseous (Gas) sensation .

On the other hand, the liquid molecule movement pattern gives the liquid-like (Liquid) sensation, so the acronym W is taken and called liquid behavior.

By abbreviating this, for example, the liquid molecule group and the Japanese behavioral pattern conform to the common "liquid behavior", and the gas molecule group and the Western people's behavioral pattern become the common "gas behavior". Along, etc. can be expressed simply.

The above-described gas molecule movement pattern (gas behavior) and liquid molecule movement pattern (liquid behavior) can be expressed by the following words to short sentences.

Analysis perspective	Liquid behavior	Gaseous behavior
(1) approach	Stick together. Get closer.	Separated from Sarari. Break away.
(2) Connection	Continuous. Connect. To adhere.	Disconnect (relationship) .
(3) Landing	Stick. Stick.	Peel off.
(4) Cling	I cling to it. Entertain.	break up.
(5) Set	get together. High density.	Scatter. Low density.
(6) One	Integrate and fuse. Become one.	It is apart. Independent of each other.
(7) Same	Is the same.	Wrong. Take another path.
(8) Speed	Be slow.	fast.
An example	Liquid molecular motion. Freshly made mochi.	Gas molecular motion. Silica gel grains, marbles.

Here, if the movement of the particles according to the gas and liquid molecular movement patterns matches the conventional conceptual expression in sociology and psychology,

Liquid molecule (liquid) = liquid behavior	Gas molecule (gaseous) = gaseous behavior
Collectivism	Individualism
Regulatoryism	Liberalism
Anti privacy	Respect for privacy
...	...

And so on.

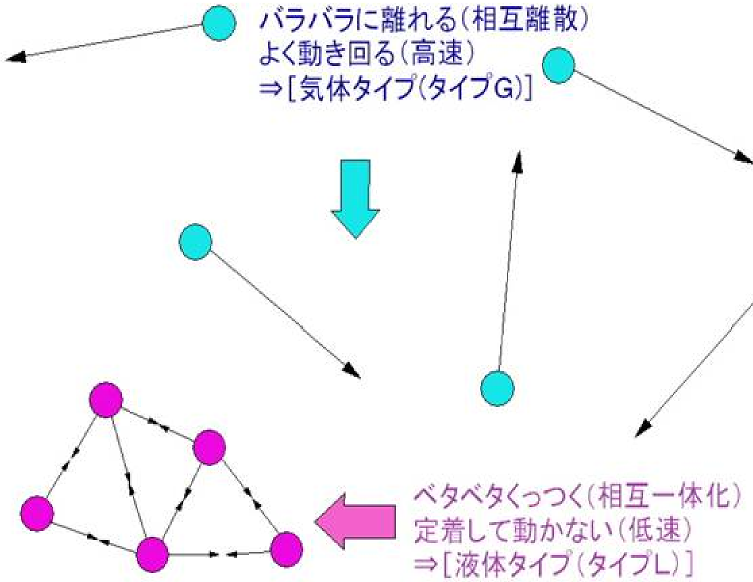
The above-mentioned molecular motion of gas and liquid is converted into human behavior, and the behavior of people in gaseous and liquid society is simulated by computer using a method similar to gas / liquid molecular motion simulation. I can say it can.

For example, the fact that people in Japan and East Asia are liquid and those in Europe and the United States are gaseous means that the behavioral patterns of people in Japan and East Asian societies that are mainly farmers and women are essentially liquid molecules. It is similar to exercise, while the behavioral patterns of nomadic and pastoral and male-dominated European and American societies are similar to gas molecular exercise.

Nomadic, pastoral, male-dominated Western society, (people of the movement) close to the gas such as air, gas molecular motion (gas behavior) can be simulated in, called a "gas-type society". Farming, Japanese women center, the East Asian society, (people of the movement) close to the liquid, such as water droplets, liquid molecular motion (can be simulated in a liquid behavior), called a "liquid society".

In this way, introducing the perspective of gaseous and liquidity into the analysis of the world's social culture requires know-how to simulate the movement of objects developed in physics with computers, as it is in sociology and psychology. It has an effect that can be used in academia, and it can be said that it greatly contributes to the development of sociology and psychology.

The following figure summarizes the movement and behavior patterns common to gaseous and liquid objects (including molecules) and people.



タイプG（気体的）・タイプL（液体的）の人・物体の説明

A more detailed description of the interrelationships between gaseous and liquid molecules-objects-the human level follows.

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1. Explanation of gas / liquid molecular movement patterns

First, the difference between human and gaseous / liquid sensations is given to human beings. It is necessary to reconfirm the mechanism that creates differences in the properties of physical gases and liquids. It is a gas that gives a gaseous sensation, and a liquid gives a liquid sensation. To see the difference between them, the viewpoint must be reduced to the molecular level.

Of specific gas molecules and liquid molecules, what creates both differences,
[1] the magnitude of the kinetic energy (degree of movement) differences in the liquid, the degree (kinetic energy) is small to move around (so move around Absent).
Gas has a large degree of movement (kinetic energy) (moves well).
[2] Differences in the degree to which "intermolecular force" works In liquids, the distance between molecules is reduced, and the molecules are attracted to each other, sticking together, and pulling or restraining their feet. In the gas in which the attractive force acts greatly , the "intermolecular force" between the molecules approaching each other and attracting each other hardly works

.
The degree to which the "intermolecular force" works is large in liquids and small in gases.
(1) Because liquid molecules have low kinetic energy, they are forces between molecules that are originally attracted, adhered, and restrained between molecules. (Intermolecular force) is unable to move around because it can not move around
(2) Gas molecules have a large degree of kinetic energy (kinetic energy) , so they can move around by breaking off intermolecular force
Because they are free from the effects of "intermolecular forces" . The degree to which the "intermolecular force" works is large in liquids and small in gases.
(1) Because liquid molecules have low kinetic energy, they are originally between molecules and approach each other, attract and restrain each other. (Intermolecular force) is unable to move around because it can not move around
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Because they are free from the effects of "intermolecular forces" .

When applied to two objects in general, the

liquid water, when touched with a fingertip, gets wet and sticks to the skin, clings together, and does not leave. In this regard, it can be said that an attractive force acts between the liquid water and the fingertip so as to keep the liquid water and the fingertip together. Also, liquid water stays in the same place forever and does not move unless you move your fingertips. In that respect, it can be said that liquid water has lower movement and activity than gaseous water vapor and the like.

Therefore, further extend the idea, in the object general,
(1) the object (molecular-human) of movement and activities, movement, fluidity is high, acting therebetween attractive (bonding force) is small (away from each other) when a gaseous manner (dry and have) felt and
(2) of the object (molecular-human), exercise and activities, movement, fluidity is low, attractive force therebetween (bonding force) is large (not separated from each other) , It is presumed that the rule that the liquid is felt (wet, wet) is satisfied.

Explaining that this estimate is correct requires that the estimate be valid for objects that are much closer to humans than numerators. Such more human-sized objects include, for example, sand grains distributed on coasts, rivers and deserts, human (especially female) hair, natto made from fermented soybeans, and melted sugar that is cooled and solidified. The bigger confectionery candy includes plastic balls for table tennis and volleyball.

The dry (gaseous) sand does not stick to the hand even if touched, and falls apart one by one (no adhesion or stickiness) . Also, when the wind blows, it moves accordingly (fluid) . On the other hand, wet, wet (liquid) sand sticks to your hand when you touch it and does not leave it as it is (adhesive and sticky) . In addition, they do not move even when the wind blows (they do not have fluidity) .

Hair that is wet with water does not easily fall apart because the hairs are united together and do not move even if the wind blows. On the other hand, dry hair moves in the wind and separates and moves individually from one to another, and has fluidity.

When natto is stirred, natto pulls a sticky thread and connects it with each other with a thread. The natto sticks together and tries to stand still. At this time, the attractive force acts between one bean and the beans in a form of pulling a thread, and is considered to correspond to a force equivalent to an intermolecular force.

Melted (liquefied) candy grains are sticky and sticky to fingertips and other candy and cannot be removed. Even if you try to move them one by one, they can't move because they stick to each other.

Alternatively, plastic balls and volleyballs for table tennis can be easily separated and move around one by one, but if you apply the adhesive widely on the surface or wrap it around the entire surface of the double-sided adhesive tape, they stick together and bond together. It is difficult to separate them one by one without leaving them, and they try to move vigorously, and even if they try to fly, they immediately adhere to another place and do not try to move.

In this case, the adhesion and tackiness of such objects (the property that they do not separate once they stick together) increases the attractive force (the force of sticking together and trying to connect together) that acts between them, and causes movement, activity, and movement.▯ It is thought that liquidity has been lost. That is, the stickiness and stickiness of the object sticking to each other and sticky to each other brings liquidity to the object in a form in which the objects attract each other and are hard to move. This is also illustrated by the fact that, for example, if the adhesive continues to be exposed to the outside for a long time and the solvent is removed and becomes non-greasy, it is felt dry and gaseous.

In order to confirm whether or not the idea is correct, Web the questionnaire, 2002 years 4 late May and 10 was carried out in early May. Survey, was to pair has been described sense to bring the object 2 intended to ask either is felt more gas basis of one sentence, 1 question items per about 200 were carried out on a scale that the people of the respondents. As a result of the analysis,
(1) an object that comes away from the hand as it is smooth when touched (no stickiness) feels more gaseous than an object that is sticky and sticky (sticky

when touched) . Also, by being separated from each other, objects in a well-ventilated state with a large space therebetween feel more gaseous than objects in a poorly-ventilated state where they adhere to each other.
(2) Objects that move around freely feel more gaseous than objects that stick together and do not move. In addition, a moving object feels more gaseous than a stationary object.
That was actually confirmed.

To summarize the above ideas in plain words, in general, objects that are sticky and adhesive and stick together are liquid, while objects that move away from the hand quickly and move away from each other are gas. It can be said that it is felt.

In this case, liquid objects tend to stick to each other and gaseous objects tend to move away from each other, which are contrasting in terms of interaction between objects and social relations. It can be said that it has a personality.

From the case of the object size much larger than the molecular level, it is considered that the range of the gaseous / liquid feeling at the molecular level can be extended to the object in general.

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3. Application to interpersonal relations When

the gaseous and liquid sensations of this object in general are further expanded to the human level, liquids such as water and gases such as air are liquid and dry for humans. It is thought that the mechanism of giving a feeling and the mechanism of giving liquid and gaseous feelings to each other by interacting with each other may be common to each other.

In other words, by applying the concepts of movement, mobility, and gravitation seen at the general level of an object to a human,
(1) the human does not stop at one place and does not move much (the degree of active movement is small) , If you do not approach, stick to, or separate from each other (high attraction) , the interpersonal relationship (like liquid molecules with low kinetic energy and high intermolecular force) creates a liquid sensation.
(2) Humans move and flow around without stopping at one place (the degree of active movement is large) , and they try to move away from each other without approaching or sticking to others around (gravitational force) but do not work too much) case, in interpersonal relationships (the same small gas molecules with kinetic energy larger intermolecular forces) is born gas sensation.
it is conceivable that.

In this case, by observing the size of the object from the molecular size to the human size, the energy that moves around the object, which works in common for both, is referred to as “kinetic energy (molecular level) ” = “motion / activity / movement / fluidity ((Object-human level) ", the force of sticking, connecting, binding, gathering, and restraining / binding between objects is" intermolecular force (molecular level) "=" attraction, binding force (object-human level) " As a result, it is possible to catch the same.

To summarize the above explanation in one word, the difference in activity and motor activity, and the resulting magnitude of the attractive force equivalent to the intermolecular force, causes the differentiation of liquid and gaseous interpersonal sensations, respectively , it comes to (is had devised this description 1991-1992 circa) .

In this case, in humans, it is necessary to consider not only physical activities and movements by the physical body and tension between the bodies, but also psychological activities and movements without specific physical movements, mutual restraint, and approach at the same time. is there. For example, if you are sitting at a desk and are filled with intellectual curiosity, reading books in various fields, and actively thinking about things, it is physically inactive, but psychologically Can be considered to be actively moving around. Or, if lovers living in physically distant places have a strong psychological sense of unity through telephone communication, a strong psychological attraction will work between them, even if they are physically far away. Can be considered to be.

As described above, human activities / exercises and gravitation can be divided into physical and psychological ones. In the following, the psychological one is mainly described. The physical activities and movements of the human body and the tension between the bodies are merely superficial reflecting the activities of the nervous system inside the body, and psychological activities and movements based on the work of the nervous system. This is because gravitation determines human behavior more fundamentally.

The actual state of movement and activity that gives a gaseous sensation with interpersonal sensation is the mental orientation (spatial movement orientation) that is inherent in humans and tries to actively move between distant points here and there and until now Let's spread also in progress to be no point and regions were carried out, will Kirihirako new ground aggressively (trying to develop a new object) mental-oriented and (diffusion-oriented) is. In this case, the desire to renew the atmosphere of life by changing the physical location and the area of psychological interest and to obtain new stimuli, and curiosity about unknown things that have never been encountered before , in other words (here a while - until now) the new that has not been experienced (fresh) mental urge to contact with the information (new information received impulse) has become a driving force of the movement and activities of. Contrary to this, seizure, fixation, and non-diffusion orientation, which does not move in one place, means lack of movement and activity, and gives a liquid sense in interpersonal sense.

On the other hand, psychological attraction to give a liquid sensation in the interpersonal sense, a is what is the real binding force ? It is inherent in human beings, it will be close to a psychological and others around, and I will be in a close state It is an orientation (psychological proximity orientation) .

That is, (psychologically) that attract each other, each other (in the psychological) brought close progressively presence position, become one hugging eventually (integrated, fused) , and That is, they stick to each other and do not separate. If the psychological distance to the opponent is reduced, and ultimately it is going to be zero, try to connect, try to connect, if it is strong, it feels like an attractive force between each other, and the liquid in the interpersonal sense It can be said that it brings a realistic feeling.

To summarize in words easy to understand the above description, in interpersonal relationships,
(1) psychologically not about to leave stick sticky to the other party (with a pressure-sensitive-adhesive, connecting, bonding and assembling) , and, as it is dynamic A person who does not do this (has a fixed and settled) feels liquid.
(2) It does not go deeply into the opponent easily and separates quickly from the salary (non-adhesive, non-adhesive, cut, discrete) , and It can be said that a person who moves around and moves (has movement, activity, movement, and fluidity) actively feels like a gas
.

In this case, the adhesive / adhesive force is a form of attractive force in that it is directed to approach, attract, and stick to each other. This adhesive / adhesive strength also has the effect of non-movement (activity, exercise) = fixation and settlement, which keeps people and things on the spot and keeps them from moving.

Regardless of whether it's a molecule, an object, or a human mind, if you don't stick and stick to your opponent and don't move as they are, they all feel liquid in common, and vice versa. It can be said that it is felt.

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4. Necessity of Social Perspective The

gaseous and liquid nature cannot be seen by looking at particles alone. It can be seen for the first time by looking at the society and population formed by multiple particles.

The difference between gaseous and liquid is the difference in the interaction between particles and other particles. It is liquid to stick to, unite with, and bind to each other particles, and gas to move freely apart from other particles.

Such a property is a property that cannot be understood unless a plurality of particles are viewed at the same time. In that respect, the study of gas basis-liquid basis of . To do, the motion of the particles alone, only see a single person of psychology at the bad, it is necessary a very social perspective.

In this case, the types and sizes of interacting particles are not necessarily the same. As for the size, one may be very small and the other huge. For example, liquid water molecules (group) (minimal) that adhere to human (huge) skin are examples of different types and sizes. Even if the particles have different sizes, the gaseous and liquid properties acting between the particles can be observed.

(c) 1992-2005 first appearance

On the significance of knowing gaseous and liquid behaviors

2003.12-2007.10 first appearance

This article summarizes why it is important to know gaseous and liquid behaviors and why it is significant. Specifically, it is useful for understanding the social characteristics of countries around the world (such as comparing Japanese and Western cultures) and for understanding the gender differences in the social behavior of men and women.

The following summarizes why it is important to know gaseous and liquid behaviors.

(1) The dimension of gaseous and liquidity plays an important role in analyzing the national and social characteristics of countries around the world from a psychological aspect. For example, in relation to the natural environment surrounding each culture, "dry environment = nomadic and pastoral culture (Europe and the United States, etc.) = gaseous behavior is the mainstream, humid environment = agricultural culture (Japan, East Asia, etc.) = liquid By establishing the correlation that the behavioral style is the mainstream, the dimensions of gaseous and liquidity have the effect of making it easier to grasp the classification of world culture.

Until now, Japanese (European and American) behavioral styles have been listed as collectivism (individualism) , synchrony with others (asynchrony) , emotion / irrationality (science / rationality) , and external closure (openness).) , Emphasis on seniority, precedents and conventions (emphasis on creativity) , regulation lovers (liberalism) , immobility without external pressure (active) , all of which have gaseous / liquid properties and types. It is within the field of defense. In short, most of the Japanese (European and American) behavioral styles can be exhaustively explained at present in terms of gaseous and liquid properties and types.

(2) Can explain the psychosocial behavioral styles of men and women. Male = gaseous, female = liquid.

- Women prefer to form groups and act in groups (prefer to follow the toilet together) , while men prefer to act alone (collectivism-individualism).
- Women prefer to read fashion magazines because they are sensitive to the fashion around them, and they like to tune their behavior around (harmony) , whereas men do not adapt to their surroundings and take their own way. Attempt to walk (tune-oriented-non-tune-oriented).
- Women are interested in humans and are determined to build and maintain relationships with others around them, while men are interested in non-human substances and mechanisms and interact with others. The relationship is constructed as a means to achieve some purpose (human relation-oriented-non-human relation-oriented).
- Women do not like to go to the unknown territory themselves and try to live in a world of precedent and custom, whereas men are active in guinea pigs in areas where unknown dangers may hide. Challenge creatively and achieve creative results (precedent oriented-creative oriented) .
- Women actively disclose themselves and expose privacy to close others, while men do not disclose themselves (lack of privacy-respect) .
- While women take actions passively (do not move from themselves) , men move from themselves (static-dynamic).

The behavioral patterns that have been considered as gender differences in the social behaviors of men and women so far are all on the gas-liquid axis, and can be explained comprehensively from the gas-liquid perspective. .

In short, the merits of knowing gaseous-liquid behaviors are the individual and individual benefits of Western (nomadic / pastoral) culture-Japanese and East Asian (agricultural) culture, male culture-female culture. It is enough that various features can be summarized and explained in a single phrase, "gas-liquid".

Until now, various analytical viewpoints such as collectivism-individualism, regulatoryism-liberalism, etc. have been individually taken up. Until now, the concept of uniting them has never existed.

These various disparate viewpoints can be summarized and combined into a single phrase, "gas-liquid", and can be bundled and carried together. In this respect, the concept of "gas-liquid" is a role of a container that can carry various concepts such as collectivism-individualism, regulation-liberalism ... Fulfill.

The concept of gaseous and liquid covers, in general, the concepts of individualism, liberalism, etc., which were the main concepts used to explain the gender difference and the cultural differences between the East and the West. It is a higher-level concept.

Agriculture (Japan and East Asia) -Nomadism and pastoralism (Europe and the United States), women-men (or maternity-paternity) whose viewpoints were disjointed and uncoordinated by summarizing them into one axis of gas-liquid This has the effect of facilitating the understanding of the culture.

In other words, by preparing an analysis axis of gaseous-liquid, the variously proposed concepts such as collectivism-individualism, regulatoryism-liberalism ...

Liquid	Gaseous
Collectivism	Individualism
Regulatoryism	Liberalism
Anti privacy	Respect for privacy
...	...

In such a form, it can be handled in one set. In this regard, the analysis viewpoint is focused on one axis of "gas-liquid", which makes it easier to analyze social culture.

And,
collectivism-regulatory-anti-privacy ... is linked to each other on the liquid axis, and simultaneously established and occurs in one set.
-Individualism-liberalism-respect for privacy ...
Concepts that belong to the gaseous axis (individualism, liberalism, etc.) , and concepts that belong to the liquid axis , such as interlocking with each other on the gaseous axis and simultaneously establishing and arising in one set (Collectivism, regulatoryism, etc.) are linked together as a unit, and it can be clearly shown that they are simultaneously established.

From this point, each set of the above gaseous axis and liquid axis must be established simultaneously.For example, individualist society must be liberal (both gaseous) , collective society must Explain that it is always anti-privacy (both liquid) .

Alternatively, a society having a concept of a combination inconsistent with each set of the above gaseous axis and liquid axis, for example, a society that is collective (liquid) and liberal (gaseous) cannot be established or Explain that there can be no (gas) collectivist (liquid) society that respects privacy .

As described above, the viewpoint of gaseous and liquid is divided into two major parts of world culture: agricultural culture (liquid) -nomadic and livestock culture (gas) , and female culture (liquid) -male. It can explain each dimension of " culture (gaseous) ", and in that regard, it can be said that it exerts great analytical power in analyzing world culture.

In this case, the gaseous / liquid viewpoint is not only an effect that facilitates the analysis of the world's social culture, but also the physics related to the social behavior of people and the movement of molecules and objects, which had little contact so far. Has the effect of linking

In short, particles of different sizes, such as gaseous and liquid humans, objects, and molecules, can show that they have a common behavior and movement mode even if the particles have different sizes.

The fact that people in Japan and East Asia are liquid and people in Europe and the United States are gaseous means that the behavioral patterns of people in Japan and East Asian societies, mainly in agriculture and women, are essentially liquid molecular movements. It is similar, while the behavioral patterns of nomadic and pastoral and male-dominated European and American societies are similar to gas molecular movement.

That is, gas and liquid molecular motions are

Liquid molecules (like liquid)	Gas molecules (gas-like)
Collectivism	Individualism
Regulatoryism	Liberalism
Anti privacy	Respect for privacy
...	...

From this, it can be said that a computer can simulate the behavior of people in a gaseous or liquid society by a method similar to gas / liquid molecular motion simulation.

That is, nomadic / pastoral and male-centered Western societies can be simulated by gas molecular movement, and agricultural and female-centered Japanese and East Asian societies can be simulated by liquid molecular movement. Introducing the gaseous and liquid perspectives into the analysis of the world's social culture in this way requires know-how to simulate the movement of objects developed in physics with a computer, as it is in sociology and psychology. It can be said that it has an effect that can be used in the field and greatly contributes to the development of sociology and psychology.

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(c) 2003-2007 first appearance

Humidity sensation and gas and liquid

1992/05 -First author's book "Dry / Wet Sensation, Personality, Society" gives a detailed explanation of the relationship between dry and wet sensation, gas, and liquid.

Liquid society, gaseous society Spatial distribution and external environment

2011.01 First appearance

液体的社会、気体的社会

空間分布と外部環境

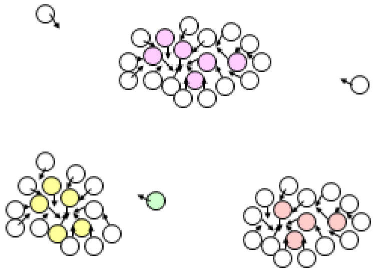
説明図

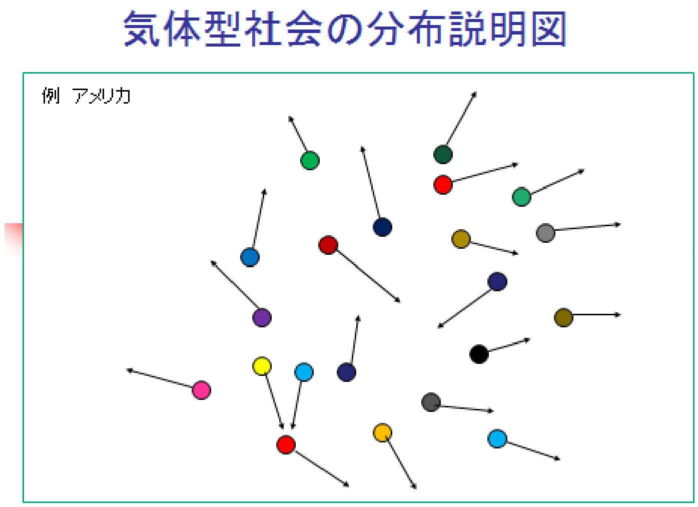
2011年1月

大塚いわお

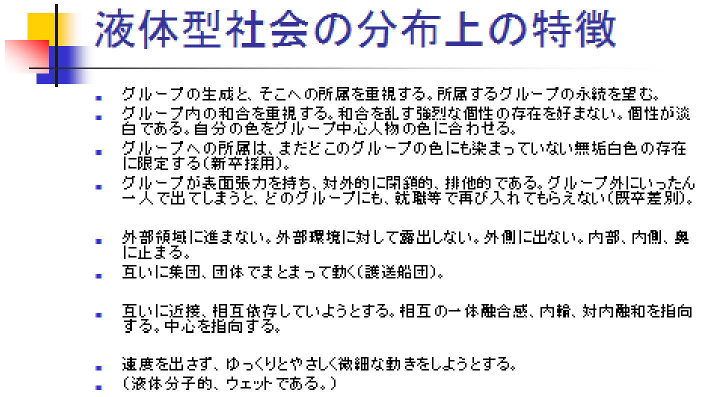
液体型社会の分布説明図

例 日本





気体型社会の分布説明図



液体型社会の分布上の特徴

- グループの生成と、そこへの所属を重視する。所属するグループの永続を望む。
- グループ内の和合を重視する。和合を乱す強烈な個性の存在を好まない。個性が淡白である。自分の色をグループ中心人物の色に合わせる。
- グループへの所属は、まだどこのグループの色にも染まっていない無垢白色の存在に限定する（新卒採用）。
- グループが表面張力を持ち、対外的に閉鎖的、排他的である。グループ外にいったん一人で出てしまうと、どのグループにも、就職等で再び入れてもらえない（既卒差別）。
- 外部領域に進まない。外部環境に対して露出しない。外側に出ない。内部、内側、奥に止まる。
- 互いに集団、団体でまとまって動く（護送船団）。
- 互いに近接、相互依存していようとする。相互の一体融合感、内輪、対内融和を指向する。中心を指向する。
- 速度を出さず、ゆっくりとやさしく微細な動きをしようとする。
- （液体分子的、ウェットである。）

Distribution characteristics of the liquid society

-Emphasize the creation of groups and their affiliations. I want my group to be permanent.

 Focus on reconciliation within the group. He doesn't like the strong personality that disturbs harmonization. The personality is pale. Match your color to the color of the group-centered person.

 Affiliation to the group should be limited to pure white that has not yet been dyed in any group color (new graduate recruitment).

The group has surface tension and is externally closed and exclusive; Once you leave the group alone, no group can be re-entered for employment, etc.

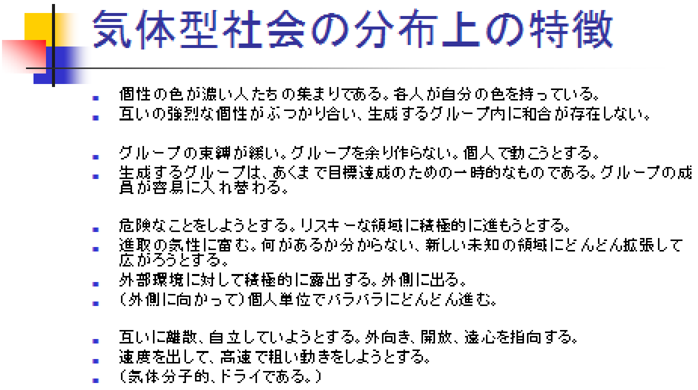
 Do not proceed to the external area. No exposure to the external environment. Do not go outside. Stops inside, inside, back.

 Move together in groups and groups (convoy fleet).

 Try to be close to and dependent on each other. Aiming for a sense of unity, inner ring and inward integration. Orient to the center.

 Attempts to move slowly and gently without moving.

 (Liquid molecular, wet)



気体型社会の分布上の特徴

- 個性の色が濃い人たちの集まりである。各人が自分の色を持っている。
- 互いの強烈な個性がぶつかり合い、生成するグループ内に和合が存在しない。

- グループの束縛が緩い。グループを余り作らない。個人で動こうとする。
- 生成するグループは、あくまで目標達成のための一時的なものである。グループの成員が容易に入れ替わる。

- 危険なことをしようとする。リスキーな領域に積極的に進もうとする。
- 進取の気性に富む。何があるか分からない、新しい未知の領域にどんどん拡張して広がろうとする。
- 外部環境に対して積極的に露出する。外側に出る。
- （外側に向かって）個人単位でバラバラにどんどん進む。

- 互いに離散、自立していようとする。外向き、開放、遠心を指向する。
- 速度を出して、高速で粗い動きをしようとする。
- （気体分子的、ドライである。）

It is a gathering of people who have strong characteristics and personalities in the distribution of gaseous society . Each person has his own color.

 The strong personalities of each other collide, and there is no union in the generated group.

 The group is loosely bound. We don't make many groups. I try to move on my own.

 The group to be created is only temporary to achieve the goal. Group members are easily replaced.

 Do something dangerous. Actively trying to enter the risky territory.

 It is rich in enterprising spirit. They try to expand and expand into new and unknown territories, where they don't know what's going on.

 Aggressive exposure to the external environment. Get out.

 Advance to individual units (outward).

 Disperse and become independent from each other. Point outward, open, and centrifuge.

- Try to move fast and make rough movements.

- (Gas molecular, dry)

Research findings on the relationship between gas and liquid molecular motion

List of survey results (summary)

Comparison contents	**Gas molecule motion pattern**	**Liquid molecule motion pattern**
Humidity	dry	Wet
Brightness vs darkness	bright	dark
Cold vs warm	cold	warm
International comparison	American	Japanese
Gender	Masculine	Feminine
Paternity vs maternity	Paternal	Maternal
Nomadism vs. agriculture	Nomadic	Agricultural
City vs rural	Urban	Rural
Fascination	Does not flourish	Flourish
cute	Not cute	cute
Comparison contents	**Gas molecule motion pattern**	**Liquid molecule motion pattern**
Risk vs self-preservation	Confront danger	Be self-preserving, secure and protected
expedition	Prefer exploration	Don't like exploring
Original vs. imitation	Creative	Imitative
Conflict vs Harmony	Like conflict	Prefer harmony
Free vs regulation	Prefer freedom	Prefer regulation
Break the rules vs defend	Break the rules	Keep the rules
privacy	Have privacy	No privacy
Independent vs dependent	Independent	Dependent
responsibility	take responsbility on	Avoid liability

Open vs closed, exclusive	Open	Closed, exclusive
Active vs passive	Active	Passive
Mobility	Agile	Lack of mobility
Independence	Have autonomy	Lack of independence
Meritocracy (emphasizing individual abilities)	Meritocracy	Not meritocracy
Disparity tolerance vs side by side	Tolerate inequality	Prefer side-by-side
Individual	Individual	Not unique

Recognition of dry and wet personality

First appearance in January 2008

Around December 2006 , the degree of dryness / wetness of gas and liquid molecular motion was measured by gas molecular motion where the degree of dryness exceeded the degree of wetness, or the degree of wetness of liquid molecular motion where dryness was perceived as dry Work was performed to confirm whether the number exceeded the limit.

In other words, we showed Internet users (research participants) a simulation movie of molecular motion of gas and liquid, and determined how dry and wet they felt when the motion of each molecule was regarded as human motion.

- How

[data collection method]   of the Internet web was collected answers site. In counting responses, the same research participant may respond multiple times , so it is assumed that the same IP address is owned by the same respondent at the time of response, and multiple responses with the same IP address are updated. of 1 to together and considered valid only one answer, Cookie was set so as not to accept multiple answers using.

[Research participants]   The total number of study participants who received responses was 206 (102 men and 104 women). Gender information was obtained by providing a gender selection field on the web page with radio buttons at the time of response and having the user select and input.

[Investigation period]   survey period is 2006 years 12 May 4 from day 9 of day 6 was days.

[Stimulation Video]   stimulation, Ar (argon) to simulate the molecular motion pattern of Java programs, Ikeuchi (2002) web of sites obtained from, as most clearly shows the molecular motion of each liquid and gas, the absolute The temperature was adjusted to represent the molecular motion of 20 degrees (liquid) and 300 degrees (gas) , respectively. Gas program is displayed, the movie of liquid each molecular motion, captured on a personal computer, each 30 of seconds windows media video is processed in the form of movies, Web and can be reproduced from the study participants of the personal computer on the site.

[Question item]   For each of the above movies, "This is a fast-forward playback of people's movements. Each grain represents a person. Each person in this movie has a dry, Please evaluate it on a 5- point scale to see if it feels wet . " The stage was "not felt (0) -felt a little (1) -felt somewhat (2) -felt quite (3) -felt very much (4) ".

[Procedure]   each movie is, at a time 1 one by one, the order presented in the random, and so as to answer to every movie. In addition, while responding to the study participants of the computer environment, in order to align the conditions of stimulus presentation, "as long as the reproduction number of times is possible 2 effect of, I need your help by up times", with a disclaimer, I had read . As a briefing of the experimental operation, when the response was completed, a disclaimer was displayed on the screen saying, "This was actually a simulation movie of gas and liquid molecular motion."

□ Results

The average value and standard deviation of the evaluation values of the degree to which the gas and liquid molecular movement patterns were perceived as dry and wet, respectively, as human characteristics are as shown in Table 1 .

A corresponding t- test was performed to see the difference in the degree of dry / wet feeling for each type of movie shown . Table 2 shows the results .

When observing the molecular motion of the liquid, the degree of feeling dry or wet was significantly higher than the degree of feeling dry (t (205) = 8.74, p <.01) .

When looking at the molecular motion of the gas, the degree of dryness and wetness was significantly higher than that of wetness (t (205) = 3.21, p <.01). .

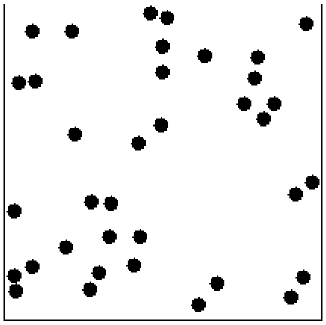
Regarding which of the gas and liquid was felt more dry, the degree of dryness of the gas molecule motion pattern was significantly higher than that of the liquid molecule motion pattern (t (205) = 6.32, p <.01) .

Regarding which of the gas and liquid feels wetter, the degree of wetness of the liquid molecule motion pattern was significantly higher than the degree of wetness of the gas molecule motion pattern (t (205) = 8.25, p <.01) .

□ Chart

Figure.1 Gas and liquid molecular motion pattern
molecular motion simulation movie (shown by the research participants)

Gas molecular motion



Liquid molecular motion

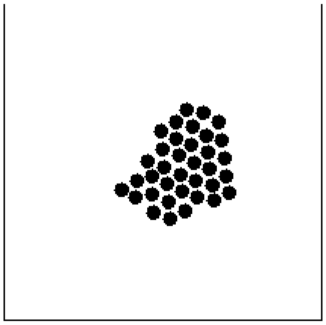


Table.1

Stimulus type	dry	Wet
Liquid molecular motion	0.85 (1.17)	2.09 (1.50)
Gas molecular motion	1.60 (1.46)	1.15 (1.24)

(Standard deviation in parentheses)

Table.2

Comparison	t test result	Significance level
Liquid wet liquid dry	t (205) = 8.74	p <.01
Gas dry-gas wet	t (205) = 3.21	p <.01
Gas Dry-Liquid Dry	t (205) = 6.32	p <.01
Liquid wet gas wet	t (205) = 8.25	p <.01

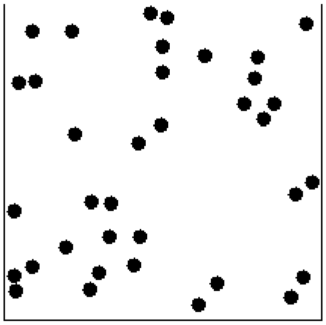
From the above results, it was found that when one observes a simulation of gas molecule motion as a human, the character is perceived as having a dry personality, while the motion of liquid molecule is perceived as having a wet personality. It is thought that the personality of a person who behaves in the same way as the gas molecular motion pattern is perceived to be dry, and the person who behaves in the same way as the liquid molecular motion pattern is perceived as wet.

Recognition of American and Japanese personalities

2008.04 First appearance The relationship between American and Japanese personalities and gas and liquid molecular motion patterns is explained in detail. American personality is correlated with gas molecular motion, Japanese personality is correlated with liquid molecular motion. Abstract A web study was conducted to clarify the relationship between the American and Japanese perceptions of human personality and the dryness and wetness of the sensation of human beings as gases and liquids . The motion of the gas-liquid molecules group was computer simulated 2 to one of the movie study participants 201 to show for the people, in each movie, feel how much American, the Japanese movement of particles as interpersonal behavior of individual Was evaluated. As a result, it was found that the gas molecular motion pattern was American and the liquid molecular motion pattern was Japanese. Objective To actually show Japanese participants a simulation movie of molecular motion of gas and liquid, we decided to examine how much each molecule feels to be European, American, and Japanese when the movement of each molecule is regarded as a human movement. At that time, the word “Western” may cover a wide range and a wide variety of regions on the earth covered by “Western”, so the personality image that people perceive may be dispersed and unified and difficult to perceive. In view of this, since the research participants were Japanese in this study, it is thought that the Japanese are likely to have the most familiar and familiar image of personality since the occupation of Japan after the Pacific War in the West. The United States of America in North America was adopted as a representative example, and each of "American" and "Japanese" was examined. The method [data collection method] Internet web was collected answers site. In counting responses, in order to respond to the possibility that the same research participant will respond multiple times , it is assumed that the owner of the same IP address is the same respondent at the time of response, and multiple responses with the same IP address 1 along with the considered the only one of the answers and effective, Cookie was set so as not to accept multiple answers using. [Study Subjects] The total number of study participants who received responses was 201 (105 men , 96 women). Gender information was obtained by providing a gender selection field on the web page with radio buttons at the time of response and having the user select and input. [Investigation period] survey period is 2007 years 8 May 21 from days 8 May 31 of day 11 was days. [Stimulation Video] stimulation, Ar (argon) to simulate the molecular motion pattern of Java programs, Mitsuru Ikeuchi (2002) web of sites obtained from, as most clearly shows the molecular motion of each liquid and gas, Adjustments were made to represent the molecular motion at an absolute temperature of 20 degrees (liquid) and 300 degrees (gas) , respectively. Gas program displayed, the movie of the liquid each molecule motion capture on a personal computer, each 30 of seconds windowsmediavideo processed into the form of movies, web and can be reproduced from the study participants' computers on the site. Figure 1 shows the still images of each movie . [Question item] For each of the above movies, "This is a fast-forward playback of people's movements. Each grain represents an individual person. Please give us a five- point scale to see if you feel Japanese . " There were five stages from "I do not feel (0) " to "I feel very much (4) " . [Procedure] each movie is, at a time 1 one by one, the order presented in the random, and so as to answer to every movie. Since it is difficult to answer the question only while watching the movie actually moving, each movie is made to flow endlessly during the answer. As a briefing of the experimental operation, when the answer was completed, a note was written on the screen saying, "This was actually a simulation movie of gas and liquid molecular motion." Results The average value and standard deviation of the evaluation values of the degree to which the gas and liquid molecular motion patterns were perceived as American and Japanese, respectively, as human characteristics are as shown in Table 1 . To see the difference in the degree of American and Japanese feeling for each type of movie shown, a paired t- test was performed. Table 2 shows the results . When looking at the molecular motion of the liquid, the degree of perceived as American and Japanese was significantly higher than the degree of perceived Japanese (t (200) = 10.20, p <.01) . When looking at the molecular motion of the gas, the degree of perceived as American and Japanese was significantly higher than the degree of perceived as American (t (200) = 3.54, p <.01) . Regarding gas and liquid, which were more American-like, the degree to which the gas molecule movement pattern was felt in the United States was significantly higher than the degree to which the liquid molecule movement pattern was felt in the United States (t (200) = 7.81, p <.01) . Regarding which of gas and liquid feels more Japanese, the degree to which liquid molecular movement patterns are felt in Japan was significantly higher than the degree to which gas molecular movement patterns were felt in Japan (t (200) = 7.15, p <.01) . Consideration From the above results, it was found that when one observes the simulation of gas molecule motion as a human, he is recognized as having an American character, while liquid molecule motion is recognized as having a Japanese character. The personality of a person who behaves similarly to the gas molecular motion pattern can be felt in the United States, and those who behave like the liquid molecular motion pattern can be felt Japanese. This suggests that there is some connection between the pattern of molecular motion of gas and liquid and the impression of personality perceived as American and Japanese. However, the reason why such a connection occurs is currently unknown, and requires further research. In addition, the results of this study merely asked about the impressions of Japanese research participants on American and Japanese personalities, and those impressions were directly reflected in the actual ways of American and Japanese personalities. It is premature to think that it is in line. Further research is needed to show that American personality is gaseous and Japanese personality is liquid in actual interpersonal relationships. In addition, the result of this time is only the viewpoint of the Japanese side, and the viewpoint is biased. In order to obtain a more unbiased and objective viewpoint, it is necessary to separately recruit not only Japanese research participants but also American research participants and separately check what their impressions of Americans are. There is. In addition, from the initial research purpose of comparing European and American personalities, it is also necessary to compare Japan with other European regions, such as Western and Northern Europe, other than the United States, which were excluded from this study. It is thought that it becomes. Chart

Figure.1 Gas and liquid molecular motion pattern
molecular motion simulation movie (shown by the research participants)

Gas molecular motion



Liquid molecular motion

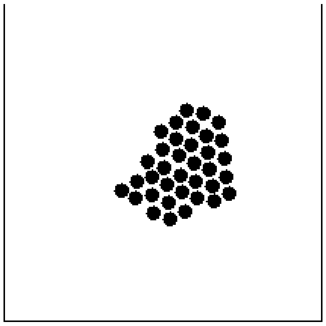


Table.1 Average and standard deviation of American and Japanese evaluation values for gas and liquid molecular motion movies (in parentheses)

Stimulus type	American	Japanese
Liquid molecular motion	0.47 (0.94)	1.71 (1.45)
Gas molecular motion	1.35 (1.43)	0.90 (1.26)

n = 201

Table.2 Comparison of average difference between conditions (corresponding)

Comparison	t test
Liquid Japanese-Liquid American	t (200) = 10.20 **
Gas American-Gas Japanese	t (200) = 3.54 **
Gas American-Liquid American	t (200) = 7.81 **
Liquid Japanese-Gas Japanese	t (200) = 7.15 **

** p <.01

Recognition of masculine and feminine personalities

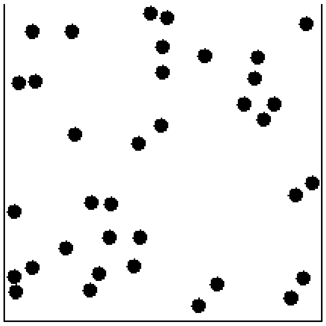
2008.04 First appearance

Learn more about the relationship between masculine and feminine personalities and gas and liquid molecular motion patterns. Correlation between masculine personality and gas molecular motion, and feminine personality and liquid molecular motion.

Abstract A web study was conducted to determine the relationship between the masculine and feminine perceptions of human personality and the dryness and wetness of the sensations of gas and liquid to humans . A gas-liquid molecular motion pattern was computer simulated 2 to one of the movie study participants 201 to show for the people, in each movie, or the movement of the particles is how much masculine as interpersonal behavior of the individual, feels feminine Was evaluated. As a result, it was found that the gas molecule movement pattern was masculine and the liquid molecule movement pattern was feminine. Problem We actually showed the participants a simulation movie of the molecular motions of gas and liquid, and examined how masculine and feminine the movements of each molecule felt when they were regarded as human movements. The method [data collection method] Internet web was collected answers site. In counting responses, in order to respond to the possibility that the same research participant will respond multiple times , it is assumed that the owner of the same IP address is the same respondent at the time of response, and multiple responses with the same IP address 1 along with the considered the only one of the answers and effective, Cookie was set so as not to accept multiple answers using. [Study Subjects] The total number of study participants who received responses was 201 (105 men , 96 women). Gender information was obtained by providing a gender selection field on the web page with radio buttons at the time of response and having the user select and input. [Investigation period] survey period is 2007 years 8 May 21 from days 8 May 31 of day 11 was days. [Stimulation Video] stimulation, Ar (argon) to simulate the molecular motion pattern of Java programs, Mitsuru Ikeuchi (2002) web of sites obtained from, as most clearly shows the molecular motion of each liquid and gas, Adjustments were made to represent the molecular motion at an absolute temperature of 20 degrees (liquid) and 300 degrees (gas) , respectively. Gas program displayed, the movie of the liquid each molecule motion capture on a personal computer, each 30 of seconds windowsmediavideo processed into the form of movies, web and can be reproduced from the study participants' computers on the site. Figure 1 shows the still images of each movie . [Question item] For each of the above movies, "This is a fast-forward playback of people's movements. Each grain represents an individual person. How masculine is in this movie, Please give a five- point scale if you feel feminine . " There were five stages from "I do not feel (0) " to "I feel very much (4) " . [Procedure] each movie is, at a time 1 one by one, the order presented in the random, and so as to answer to every movie. Because it is difficult to answer only while watching the movie actually moving, each movie is made to flow endlessly during the answer. As a briefing of the experimental operation, when the answer was completed, a note was written on the screen saying, "This was actually a simulation movie of gas and liquid molecular motion." Results The average value and standard deviation of the evaluation values of the degree to which the gas and liquid molecular movement patterns were perceived as masculine and feminine, respectively, are as shown in Table 1 . In order to see the difference in the degree of masculine and feminine feeling for each type of movie shown, a t- test (two-sided) was performed on the difference in the average value with correspondence (n = 201) . Table 2 shows the results . When looking at the molecular motion of the liquid, regarding the degree of masculine and feminine perception, the numerical value of the degree of feminine perception was significantly higher than the degree of perceived masculine (t (200) = 5.42, p <.01) . When looking at the molecular motion of gas, the degree of masculine and feminine perception was significantly higher than that of feminine perception (t (200) = 6.84, p <.01) . Regarding which of gas and liquid was more masculine, the degree of masculine movement of gas molecule was significantly higher than the degree of masculine movement of liquid molecule (t (200) = 7.47, p <.01) . Regarding which of gas and liquid was felt more feminine, the degree of feminine liquid molecular motion pattern was significantly higher than that of feminine gas molecular motion pattern (t (200) = 6.29, p <.01) . Discussion From the above results, it was found that when a person simulated the motion of gas molecules, the human was perceived as having a masculine personality, while the motion of liquid molecules was perceived as having a feminine personality. It is thought that the personality of a person who behaves similarly to the gas molecular movement pattern is felt masculine, and the person who behaves similarly to the liquid molecule movement pattern is felt feminine. Chart

Figure.1 Gas and liquid molecular motion pattern
molecular motion simulation movie (shown by the research participants)

Gas molecular motion



Liquid molecular motion

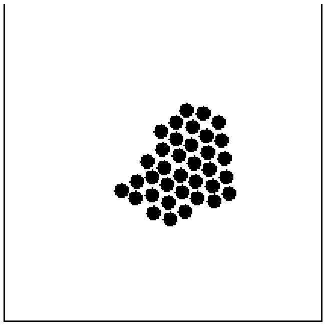


Table.1 Mean and standard deviation of male and female evaluation values for gas and liquid molecular motion movies (in parentheses)

Stimulus type	Masculine	Feminine
Liquid molecular motion	0.67 (1.10)	1.35 (1.37)
Gas molecular motion	1.49 (1.41)	0.65 (1.13)

n = 201

Table.2 Comparison of average difference between conditions (corresponding)

Comparison	t test
Liquid Feminine-Liquid Masculine	t (200) = 5.42 **
Gaseous masculine-gaseous feminine	t (200) = 6.84 **
Gas masculine-liquid masculine	t (200) = 7.47 **
Liquid Feminine-Gas Feminine	t (200) = 6.29 **

** p <.01

Recognition of paternal and maternal personality

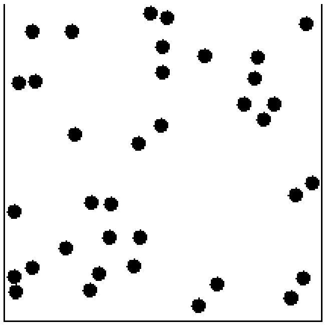
2012.07 First appearance

He explains in detail the relationship between paternal and maternal personalities and gas and liquid molecular motion patterns. Paternal personality and gas molecular motion correlate with maternal personality and liquid molecular motion.

Abstract A web study was conducted to clarify the association between paternal and maternal perceptions of human personality and the dryness and wetness of the sensations of gas and liquid to humans . A gas-liquid molecular motion pattern was computer simulated 2 to one of the movie study participants 201 to show for the people, in each movie, or the movement of the particles is how much paternal as interpersonal behavior of the individual, feels maternal Was evaluated. As a result, it was found that the gas molecular movement pattern was paternal and the liquid molecular movement pattern was maternal. Problem We actually showed the participants a movie of simulation of gas and liquid molecular motions, and examined how much they felt paternal and maternal when each molecule was regarded as a human. The method [data collection method] Internet web was collected answers site. In counting responses, in order to respond to the possibility that the same research participant will respond multiple times , it is assumed that the owner of the same IP address is the same respondent at the time of response, and multiple responses with the same IP address 1 along with the considered the only one of the answers and effective, Cookie was set so as not to accept multiple answers using. [Study Subjects] The total number of study participants who received responses was 201 (105 men , 96 women). Gender information was obtained by providing a gender selection field on the web page with radio buttons at the time of response and having the user select and input. [Investigation period] survey period is 2007 years 8 May 21 from days 8 May 31 of day 11 was days. [Stimulation Video] stimulation, Ar (argon) to simulate the molecular motion pattern of Java programs, Mitsuru Ikeuchi (2002) web of sites obtained from, as most clearly shows the molecular motion of each liquid and gas, Adjustments were made to represent the molecular motion at an absolute temperature of 20 degrees (liquid) and 300 degrees (gas) , respectively. Gas program displayed, the movie of the liquid each molecule motion capture on a personal computer, each 30 of seconds windowsmediavideo processed into the form of movies, web and can be reproduced from the study participants' computers on the site. Figure 1 shows the still images of each movie . [Question item] Regarding each of the above movies, "This is a fast-forward playback of people's movements. Each grain represents an individual person. Please rate it on a scale of 1 to 5 if you feel maternal . " There were five stages from "I do not feel (0) " to "I feel very much (4) " . [Procedure] each movie is, at a time 1 one by one, the order presented in the random, and so as to answer to every movie. Because it is difficult to answer only while watching the movie actually moving, each movie is made to flow endlessly during the answer. As a briefing of the experimental operation, when the answer was completed, a note was written on the screen saying, "This was actually a simulation movie of gas and liquid molecular motion." Results The average value and standard deviation of the evaluation values of the degree to which the gas and liquid molecular movement patterns were perceived as paternal and maternal, respectively, as the personality are as shown in Table 1 . In order to see the difference in the degree of paternity and maternity felt by the type of movie shown, a t- test (two-sided) was performed on the difference between the paired mean values (n = 201) . Table 2 shows the results . When looking at the molecular motion of the liquid, regarding the degree of paternal and maternal perception, the value of the degree of maternal perception was significantly higher than the degree of paternal perception (t (200) = 5.67, p <.01) . When looking at the molecular motion of the gas, the degree of paternal and maternal perception was significantly higher than that of maternal perception (t (200) = 4.96, p <.01) . Regarding which of gas and liquid felt more paternal, the degree of paternal perception of the gas molecular motion pattern was significantly higher than the degree of paternal perception of the liquid molecular motion pattern (t (200) = 4.28, p <.01) . Regarding which of gas and liquid was more maternal, the degree of maternal perception of the liquid molecule motion pattern was significantly higher than the degree of maternal perception of the gas molecule motion pattern (t (200) = 6.82, p <.01) . Consideration From the above results, it was found that when one observes the simulation of gas molecule motion as a human, he is perceived as a paternal character, while liquid molecular motion is perceived as a maternal character. It is thought that the personality of a person who behaves in the same manner as the gas molecular movement pattern is paternal and that the person who behaves in the same way as the liquid molecular movement pattern is maternally felt. Chart

Figure.1 Gas and liquid molecular motion pattern
molecular motion simulation movie (shown by the research participants)

Gas molecular motion



Liquid molecular motion

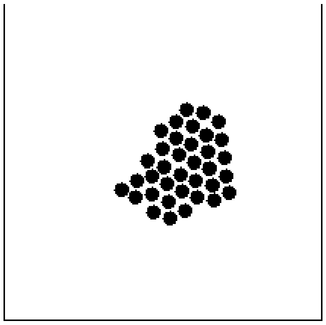


Table.1 Average and standard deviation of paternal and maternal evaluation values for gas and liquid molecular motion movies

Stimulus type	Paternal	Maternal
Liquid molecular motion	0.37 (0.81)	0.90 (1.20)
Gas molecular motion	0.76 (1.18)	0.31 (0.73)

n = 201

Table.2 Comparison of average difference between conditions (corresponding)

Comparison	t test
Liquid maternal-liquid paternal	t (200) = 5.67 **
Gas paternal-gas maternal	t (200) = 4.96 **
Gas paternal-liquid paternal	t (200) = 4.28 **
Liquid maternal-gas maternal	t (200) = 6.82 **

** p <.01

Recognition of nomadic and agricultural personalities

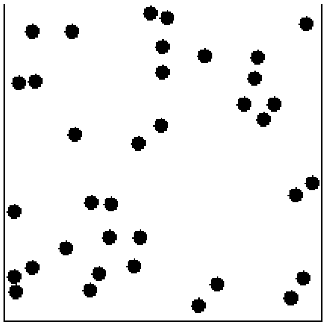
2012.07 First appearance

Learn more about the relationship between nomadic and agricultural personalities and gas and liquid molecular motion patterns. Nomadic personalities correlate with gaseous molecular motion, agricultural personalities and liquid molecular motion.

Abstract A web study was conducted to clarify the relationship between nomadic and agricultural traits of human perception of personality and the dryness and wetness of the sensation of gas and liquid on humans . A gas-liquid molecular motion pattern was computer simulated 2 to one of the movie study participants 201 to show for the people, in each movie, or the movement of the particles is how nomadic as interpersonal behavior of the individual, feels farming basis Was evaluated. As a result, it was found that the gas molecule movement pattern was nomadic as people's movement and the liquid molecule movement pattern was agriculture. Problem We actually showed the participants a movie of the simulation of gas and liquid molecular motions, and examined how much they felt nomadic and agricultural when they assumed the motion of each molecule to be human motion. The method [data collection method] Internet web was collected answers site. In counting responses, in order to respond to the possibility that the same research participant will respond multiple times , it is assumed that the owner of the same IP address is the same respondent at the time of response, and multiple responses with the same IP address 1 along with the considered the only one of the answers and effective, Cookie was set so as not to accept multiple answers using. [Study Subjects] The total number of study participants who received responses was 201 (105 men , 96 women). Gender information was obtained by providing a gender selection field on the web page with radio buttons at the time of response and having the user select and input. [Investigation period] survey period is 2007 years 8 May 21 from days 8 May 31 of day 11 was days. [Stimulation Video] stimulation, Ar (argon) to simulate the molecular motion pattern of Java programs, Mitsuru Ikeuchi (2002) web of sites obtained from, as most clearly shows the molecular motion of each liquid and gas, Adjustments were made to represent the molecular motion at an absolute temperature of 20 degrees (liquid) and 300 degrees (gas) , respectively. Gas program displayed, the movie of the liquid each molecule motion capture on a personal computer, each 30 of seconds windowsmediavideo processed into the form of movies, web and can be reproduced from the study participants' computers on the site. Figure 1 shows the still images of each movie . [Question item] Regarding each of the above movies, "This is a fast-forward reproduction of people's movements. Each grain represents a person. Each character in this movie is nomadic, Please rate it on a scale of 1 to 5 if it feels agricultural . " There were five stages from "I do not feel (0) " to "I feel very much (4) " . [Procedure] each movie is, at a time 1 one by one, the order presented in the random, and so as to answer to every movie. Because it is difficult to answer only while watching the movie actually moving, each movie is made to flow endlessly during the answer. As a briefing of the experimental operation, when the answer was completed, a note was written on the screen saying, "This was actually a simulation movie of gas and liquid molecular motion." Results The average value and standard deviation of the evaluation values of the degree to which the gas and liquid molecular motion patterns were perceived as nomadic and agricultural, respectively, as human characteristics are as shown in Table 1 . In order to see the difference in the degree of nomadic and agricultural feelings for each type of movie shown, a t- test (two-sided) was performed on the difference between the corresponding average values (n = 201) . Table 2 shows the results . When looking at the molecular motion of the liquid, the degree of perceived as nomadic and agricultural was significantly higher than that perceived as nomadic (t (200) = 2.18, p <.05) . When looking at the molecular motion of the gas, the degree of nomadic and agricultural feeling was significantly higher than that of agricultural feeling (t (200) = 4.72, p <.01) . No significant difference was found between the degree of nomadic perception of the gas molecular movement pattern and the degree of nomadic perception of the liquid molecular movement pattern regarding which gas or liquid felt more nomadic. (t (200) = 1.32) . This is because the movement of the liquid is similar to the movement of a nomad who moves with livestock at a low speed, so both are felt as nomads and it is considered that there was no difference. A slower, less fluid movement of the liquid would be a farmer and would make a difference. Regarding which of the gas and liquid was felt more agricultural, the degree to which the liquid molecular movement pattern was felt agriculturally was significantly higher than the degree to which the gas molecular movement pattern was felt agriculturally (t (200) = 5.41, p <.01) . Consideration From the above results, it was found that when one observes the simulation of gas molecule motion as a human, it is recognized as a nomadic character, while liquid molecule motion is recognized as an agricultural character. It is thought that the personality of a person who behaves like the gas molecular movement pattern is nomadic, and the person who behaves like the liquid molecular movement pattern is agricultural. Chart

Figure.1 Gas and liquid molecular motion pattern
molecular motion simulation movie (shown by the research participants)

Gas molecular motion



Liquid molecular motion

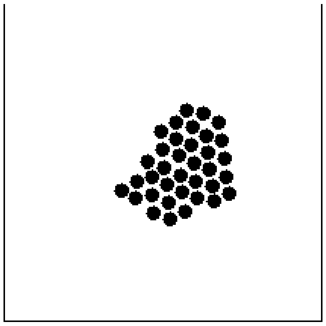


Table.1 Average and standard deviation of nomadic and agricultural evaluation values for gas and liquid molecular motion movies (in parentheses)

Stimulus type	Nomadic	Agricultural
Liquid molecular motion	1.04 (1.34)	1.28 (1.32)
Gas molecular motion	1.21 (1.44)	0.68 (1.81)

n = 201

Table.2 Comparison of average difference between conditions (corresponding)

Comparison	t test
Liquid agricultural-liquid nomadic	t (200) = 2.18 *
Gas nomadic-gas agricultural	t (200) = 4.72 **
Gas nomadic-liquid nomadic	t (200) = 1.32
Liquid agricultural-gas agricultural	t (200) = 5.41 **

** p <.01, * p <.05

Recognition of original and imitative personalities

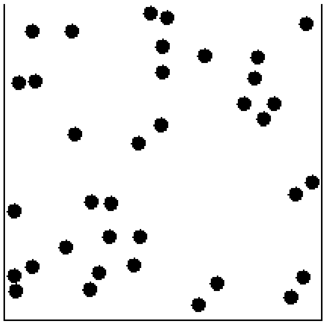
2012.07 First appearance

Explains in detail the relationship between original and imitative personalities and gas and liquid molecular motion patterns. Intrinsic personality correlates with gas molecular motion, and mimic personality correlates with liquid molecular motion.

Abstract A web study was conducted to clarify the relationship between the original and imitative of human perception of personality and the dryness and wetness of the sensation of gas and liquid on humans . A gas-liquid molecular motion pattern was computer simulated 2 to one of the movie study participants 201 to show for the people, in each movie, or the movement of the particles is how much creative as interpersonal behavior of the individual, feels mimetic Was evaluated. As a result, it was found that the gas molecule movement pattern was unique and the liquid molecule movement pattern was imitative. Problem We actually showed the participants a movie of simulation of the molecular motion of gas and liquid, and determined how creative and imitative they felt when the motion of each molecule was regarded as the motion of a human. The method [data collection method] Internet web was collected answers site. In counting responses, in order to respond to the possibility that the same research participant will respond multiple times , it is assumed that the owner of the same IP address is the same respondent at the time of response, and multiple responses with the same IP address 1 along with the considered the only one of the answers and effective, Cookie was set so as not to accept multiple answers using. [Study Subjects] The total number of study participants who received responses was 201 (105 men , 96 women). Gender information was obtained by providing a gender selection field on the web page with radio buttons at the time of response and having the user select and input. [Investigation period] survey period is 2007 years 8 May 21 from days 8 May 31 of day 11 was days. [Stimulation Video] stimulation, Ar (argon) to simulate the molecular motion pattern of Java programs, Mitsuru Ikeuchi (2002) web of sites obtained from, as most clearly shows the molecular motion of each liquid and gas, Adjustments were made to represent the molecular motion at an absolute temperature of 20 degrees (liquid) and 300 degrees (gas) , respectively. Gas program displayed, the movie of the liquid each molecule motion capture on a personal computer, each 30 of seconds windowsmediavideo processed into the form of movies, web and can be reproduced from the study participants' computers on the site. Figure 1 shows the still images of each movie . [Question item] Regarding each of the above movies, "This is a fast-forward playback of people's movements. Each grain represents an individual person. Please rate it on a scale of 1 to 5 if it feels imitative . " There were five stages from "I do not feel (0) " to "I feel very much (4) " . [Procedure] each movie is, at a time 1 one by one, the order presented in the random, and so as to answer to every movie. Because it is difficult to answer only while watching the movie actually moving, each movie is made to flow endlessly during the answer. As a briefing of the experimental operation, when the answer was completed, a note was written on the screen saying, "This was actually a simulation movie of gas and liquid molecular motion." Results The average value and standard deviation of the evaluation values of the degree to which the gas and liquid molecular movement patterns were perceived as original and imitative as the personality, respectively, are as shown in Table 1 . In order to see the difference in the degree of originality and imitation felt for each type of movie shown, a t- test (two-sided) was performed on the difference in the average value of the corresponding (n = 201) . Table 2 shows the results . When looking at the molecular motion of the liquid, the value of the degree of imagination and imitation was significantly higher than the degree of imagination (t (200) = 5.59, p <.01) . When looking at the molecular motion of the gas, the degree of originality and imitation was significantly higher than that of imitation (t (200) = 4.37, p <.01) . Regarding which of gas and liquid is more original, the degree of originality of the gas molecule motion pattern was significantly higher than that of the liquid molecular motion pattern (t (200) = 7.33, p <.01) . Regarding which of the gas and the liquid was more imitative, the degree of imitation of the liquid molecule motion pattern was significantly higher than the degree of imitation of the gas molecule motion pattern (t (200) = 3.11, p <.01) . Consideration From the above results, it was found that when one observes a simulation of gas molecule motion as a human, it is perceived as a unique character, while liquid molecule motion is perceived as a mimic character. It is thought that the personality of a person who behaves in a similar manner to the gas molecular movement pattern can be uniquely felt, and a person who behaves in a similar manner to the liquid molecular movement pattern can be imitated. Chart

Figure.1 Gas and liquid molecular motion pattern
molecular motion simulation movie (shown by the research participants)

Gas molecular motion



Liquid molecular motion

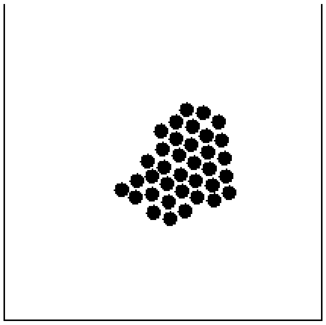


Table.1 Original and imitative evaluation values and standard deviations for gas and liquid molecular motion movies (in parentheses)

Stimulus type	Creative	Imitative
Liquid molecular motion	0.68 (1.16)	1.35 (1.39)
Gas molecular motion	1.50 (1.43)	0.96 (1.27)

n = 201

Table.2 Comparison of average difference between conditions (corresponding)

Comparison	t test
Liquid mimic-liquid original	t (200) = 5.59 **
Gas original-gas mimic	t (200) = 4.37 **
Gas Original-Liquid Original	t (200) = 7.33 **
Liquid mimicry-gas mimicry	t (200) = 3.11 **

** p <.01

Self-preservation, security, being protected vs. addressing dangers

2012.07Introduction

Summary A

web study was conducted to clarify the relationship between human self-preservation, safety, and being protected vs. attitude toward danger and the dryness and wetness of the sensation of gas and liquid to humans. went. Two movies that simulated gas and liquid molecular motion patterns were shown to 200 participants, and in each movie, how much the movement of particles was as an individual's interpersonal behavior, emphasizing their self-preservation and safety And asked if they felt like they wanted to be protected or seem to face danger. As a result, it was found that the gas molecule movement pattern felt like danger as a person's movement, and the liquid molecule movement pattern felt like self-defense and safety as a person's movement and preferred to be protected. .

Problem

Actually, when a research participant is shown a molecular motion simulation movie of a gas or a liquid to a research participant, and assuming the motion of each molecule to be the motion of a person, the degree of self-protection, safety, and ease of protection vs. danger, respectively. I decided to find out if I felt it.

Method

[Data collection method] Answers were collected on the Internet website. In counting responses, in order to respond to the possibility that the same research participant will respond multiple times, it is assumed that the owner of the same IP address is the same respondent at the time of response, and multiple responses with the same IP address Only one answer is considered valid, and cookies are set so that multiple answers are not accepted.

[Study Subjects] The total number of study participants who received responses was 200 (105 men, 95 women). Gender information was obtained by providing a gender selection field on the web page with radio buttons at the time of response and having the user select and input.
[Survey time] The study time was 24 days from September 15, 2007 to October 9, 2007.

[Stimulus image] The stimulus is obtained from a website of Mitsuru Ikeuchi (2002) , which simulates the molecular motion pattern of Ar (argon) . Adjustments were made to represent the molecular motion at an absolute temperature of 20 degrees (liquid) and 300 degrees (gas), respectively. A movie of the molecular motion of each gas and liquid displayed by the program was captured on a personal computer, processed into a 30-second movie in windowsmediavideo format, and made playable on the website of the research participant's personal computer. Figure 1 shows the still images of each movie.

[Question item] Regarding each of the above movies, "This is a fast-forward playback of people's movements. Each grain represents an individual person. Emphasize self-preservation and safety, and rate it on a scale of 1 to 5 if you like to be protected or feel like you are facing dangers. " There were five stages from "I do not feel (0)" to "I feel very much (4)".

[Procedures] Each movie was presented one at a time in random order, and each movie was answered. Because it is difficult to answer only while watching the movie actually moving, each movie is made to flow endlessly during the answer. As a briefing of the experimental operation, when the answer was completed, a note was written on the screen saying, "This was actually a simulation movie of gas and liquid molecular motion."

Result

The average value and standard deviation of the evaluation values of the degree to which the gas and liquid molecular movement patterns were felt to be self-preserving, safe, easy to protect, or perceived to be danger are shown in Table 1, respectively. As expected.

In order to see the difference in the degree of feeling for each type of movie shown, a t-test (two-sided) was performed on the difference between the average values of the corresponding movies (n = 200). Table 2 shows the results.

The degree to which one feels to emphasize self-preservation, the degree to which one emphasizes self-safety, and the degree to which one prefers to be protected are all the same as the gas molecular movement pattern. Was significantly greater than
On the other hand, the degree of perceived danger was significantly greater in the gas molecule motion pattern than in the liquid molecule motion pattern.

In the liquid molecular motion pattern, the degree of feeling that they preferred to be protected was highest. Next, both the degree of feeling that the self-preservation was emphasized and the degree of feeling that the self-safety was emphasized were both high. There was no significant difference between the two. The worst was the perceived danger.

In the gas molecular motion pattern, the degree of feeling that it was possible to confront danger and the degree that it was felt that importance was placed on its own protection were the highest. There was no significant difference between the two. What was lower was both the degree to which they felt they valued their safety and the degree to which they felt they preferred to be protected. There was no significant difference between the two.

Consideration From the

above results, it is felt that if one observes a simulation of the motion of gas molecules in a human, it seems to face danger. I found it felt. The personality of a person who behaves in a similar manner to the gas molecular movement pattern may seem to confront dangers and risks, and those who behave in a similar manner to the liquid molecular movement pattern may seem to prefer their own protection and safety and prefer to be protected. .

In addition,

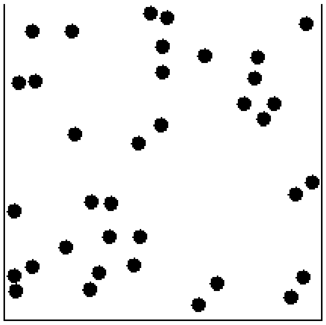
 The highest degree of preference in the liquid molecular motion pattern is that the user feels that he / she prefers to be protected. Probably because.

 In the gas molecule movement pattern, the degree to which one felt that one's preservation was important was as high as the degree to which one was perceived to be in danger. It is thought that it was considered that it had become. Also, in the gas molecule motion pattern, the degree to which one felt the importance of self-preservation was significantly higher than the degree to which one felt importance to one's safety. It is probable that the safety of the individual could not be ensured due to the dangerous flying bombs flying, but the individual was considered to have sufficient space to protect himself.

Chart

Figure.1 Gas and liquid molecular motion pattern
molecular motion simulation movie (shown by the research participants)

Gas molecular motion



Liquid molecular motion

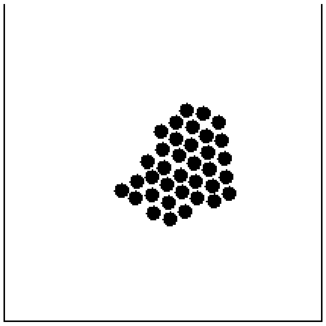


Table.1 Average and standard deviation of American and Japanese evaluation values for gas and liquid molecular motion movies (in parentheses)

Stimulus type	Focus on your own protection	Focus on your own safety	Like to be protected	To confront danger
Liquid molecular motion	2.59 (1.43)	2.52 (1.33)	2.98 (1.27)	0.68 (1.01)
Gas molecular motion	1.36 (1.36)	0.85 (1.20)	0.83 (1.26)	1.4 (1.35)

n = 200

Table.2 Comparison of average value difference between conditions (corresponding)

Comparison	t test
Focus on liquid protection-Focus on gas protection	t (199) = 8.75 **
Focus on liquid safety-Focus on gas safety	t (199) = 13.49 **
Prefer liquid protected-Preference gas protected	t (199) = 18.04 **
Confronting Gas Danger-Confronting Liquid Danger	t (199) = 6.24 **
Prefer liquid to be protected-confront liquid danger	t (199) = 19.32 **
Prefer liquid to be protected-emphasis on liquid protection	t (199) = 4.47 **
Prefer liquids to be protected-emphasizing liquid safety	t (199) = 4.50 **
Focus on liquid preservation-confronting liquid danger	t (199) = 15.40 **

Emphasis on Liquid Conservation-Emphasis on Liquid Safety	t (199) = 0.69
Focus on liquid safety-confronting liquid danger	t (199) = 15.73 **
Confronting Gas Danger-Focus on Gas Conservation	t (199) = 0.30
Confronting Gas Hazard-Focus on Gas Safety	t (199) = 4.22 **
Confronting gas dangers-preferring to be protected	t (199) = 4.20 **
Focus on gas protection-Focus on gas safety	t (199) = 5.29 **
Focus on gas preservation-prefer to protect gas	t (199) = 4.90 **
Focus on gas safety-prefer to be protected	t (199) = 0.23

** p <.01

liquid	← The degree of feeling is smaller	Confront danger	Emphasis on protection and emphasis on safety	Like to be protected	→ The degree of feeling is greater
			There is no difference		

gas	← The degree of feeling is smaller	Prefers to be safeguarded	Emphasis on protection against danger	→ The degree of feeling is greater
		There is no difference	There is no difference	

Recognition of personalities who like fighting and who like harmony

2012.07 First appearance

It explains in detail the relationship between conflict-loving and harmonious personalities, and gas and liquid molecular motion patterns. Personality that favors struggle and gas molecular motion, and personality that favors union and liquid molecular motion are correlated.

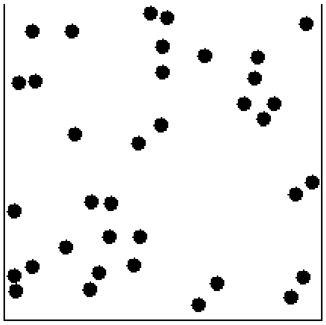
Abstract A web study was conducted to determine the relationship between the struggle for human perception of personality, the preference for harmony, and

the dryness and wetness of the sensation of a substance gas and liquid to humans . A gas-liquid molecular motion pattern was computer simulated 2 to one of the movie study participants 200 to show for the people, felt in each movie, the movement of the particles prefer how much strife as interpersonal behavior of individuals, like the harmony Was evaluated. As a result, it was found that the gas molecule movement pattern felt like a fight as people's movement, and the liquid molecule movement pattern seemed to like a union. Challenges We actually showed the participants a movie of simulation of molecular motions of gas and liquid, and examined how much they felt like fighting and harmony when the movement of each molecule was regarded as the movement of a person. The method [data collection method] Internet web was collected answers site. In counting responses, in order to respond to the possibility that the same research participant will respond multiple times , it is assumed that the owner of the same IP address is the same respondent at the time of response, and multiple responses with the same IP address 1 along with the considered the only one of the answers and effective, Cookie was set so as not to accept multiple answers using. [Study Subjects] The total number of study participants who responded was 200 (105 men , 95 women). Gender information was obtained by providing a gender selection field on the web page with radio buttons at the time of response and having the user select and input. [Investigation period] survey period is 2007 years 9 May 15 from day 10 May 09 of day 24 was days. [Stimulation Video] stimulation, Ar (argon) to simulate the molecular motion pattern of Java programs, Mitsuru Ikeuchi (2002) web of sites obtained from, as most clearly shows the molecular motion of each liquid and gas, Adjustments were made to represent the molecular motion at an absolute temperature of 20 degrees (liquid) and 300 degrees (gas) , respectively. Gas program displayed, the movie of the liquid each molecule motion capture on a personal computer, each 30 of seconds windowsmediavideo processed into the form of movies, web and can be reproduced from the study participants' computers on the site. Figure 1 shows the still images of each movie . [Question item] Regarding each of the above movies, "This is a fast-forward playback of people's movements. Each grain represents a person. Each person in this movie prefers contention. Please rate it on a scale of 1 to 5 if you feel like harmony . " There were five stages from "I do not feel (0) " to "I feel very much (4) " . [Procedure] each movie is, at a time 1 one by one, the order presented in the random, and so as to answer to every movie. Because it is difficult to answer only while watching the movie actually moving, each movie is made to flow endlessly during the answer. As a briefing of the experimental operation, when the answer was completed, a note was written on the screen saying, "This was actually a simulation movie of gas and liquid molecular motion." Results The average value and standard deviation of the evaluation values of the degree that the gas and liquid molecular motion patterns were perceived as quarrels and harmony as human characteristics, respectively , are shown in Table 1 . In order to see the difference in the degree of preference for fighting and harmony for each type of movie shown, we performed a t- test (two-sided) on the difference in the average value of the correspondence (n =

200) . Table 2 shows the results . When looking at the molecular motions of liquids, the values of the degree of preference for conflict and the degree of preference for contention were significantly higher than the degree of preference for contention (t (199)). = 13.71 , p <.01) . When looking at the molecular motion of the gas, the value of the degree of preference for contention was significantly higher than the degree of preference for contention (t (199)). = 8.01 , p <.01) . Regarding which of the gas and the liquid would prefer to fight, the degree to which the gas molecule motion pattern was felt to be contention was significantly higher than the degree to which the liquid molecule motion pattern was felt to be contention (t (199) = 11.59 , p <.01) . Regarding which one of the gas and the liquid felt that they would prefer harmony, the degree of liking the liquid molecular motion pattern as harmony was significantly higher than the degree of liking the gas molecule motion pattern as liking (t (199) = 13.85 , p <.01) . Consideration From the above results, it was found that if one observes the simulation of gas molecule motions as a human, it is perceived that he prefers struggle, while liquid molecular motion is perceived as he prefers compatibility. It seems that the personality of a person who behaves in the same way as the gas molecular movement pattern seems to favor conflict, while those who behave in the same way as the liquid molecular movement pattern seem to prefer harmony. Chart

Figure.1 Gas and liquid molecular motion pattern
molecular motion simulation movie (shown by the research participants)

Gas molecular motion



Liquid molecular motion

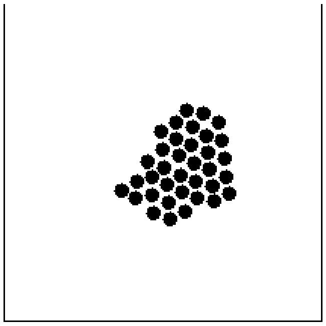


Table.1 Average value and standard deviation (in parentheses) of evaluation values that favor fighting / harmony with gas and liquid molecular motion movies

Stimulus type	Like conflict	Prefer harmony
Liquid molecular motion	0.48 (0.92)	2.31 (1.47)
Gas molecular motion	1.81 (1.46)	0.75 (1.00)

n = 200

Table.2 Comparison of average value difference between conditions (corresponding)

Comparison	t test
Preference for liquid compatibility-Preference for liquid fight	t (199) = 13.71 * *
Preference for gas fight-Preference for gas blending	t (199) = 8.01 **
Preference for gas fights-Preference for liquid fights	t (199) = 11.59 * *
Prefer liquids-Preference gaseous	t (199) = 13.85 **

** p <.01, * p <.05

Recognition of personalities who like freedom and who like regulation

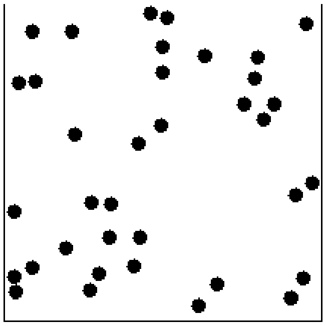
2012.07 First appearance

Learn more about the relationship between freedom- and regulation-loving personalities and gas and liquid molecular motion patterns. Personality that prefers freedom and gas molecular motion, and personality that likes regulation and liquid molecular motion are correlated.

Abstract A web study was conducted to determine the relationship between human preference for freedom of cognition of personality, preference for regulation, and the dryness and wetness of the sensations of gas and liquid to humans . A gas-liquid molecular motion pattern was computer simulated 2 to one of the movie study participants 200 to show for the people, felt in each movie, the movement of the particles prefer how much freedom as interpersonal behavior of individuals, like the regulation Was evaluated. As a result, it was found that the gas molecule movement pattern seems to prefer freedom as people's movement, and the liquid molecule movement pattern seems to prefer regulation. Problem We actually showed the participants a simulation movie of the molecular motion of gas and liquid, and examined how much freedom they would like and how they would like to control, if the motion of each molecule was regarded as a human motion. The method [data collection method] Internet web was collected answers site. In counting responses, in order to respond to the possibility that the same research participant will respond multiple times , it is assumed that the owner of the same IP address is the same respondent at the time of response, and multiple responses with the same IP address 1 along with the considered the only one of the answers and effective, Cookie was set so as not to accept multiple answers using. [Study Subjects] The total number of study participants who responded was 200 (105 men , 95 women). Gender information was obtained by providing a gender selection field on the web page with radio buttons at the time of response and having the user select and input. [Investigation period] survey period is 2007 years 9 May 15 from day 10 May 09 of day 24 was days. [Stimulation Video] stimulation, Ar (argon) to simulate the molecular motion pattern of Java programs, Mitsuru Ikeuchi (2002) web of sites obtained from, as most clearly shows the molecular motion of each liquid and gas, Adjustments were made to represent the molecular motion at an absolute temperature of 20 degrees (liquid) and 300 degrees (gas) , respectively. Gas program displayed, the movie of the liquid each molecule motion capture on a personal computer, each 30 of seconds windowsmediavideo processed into the form of movies, web and can be reproduced from the study participants' computers on the site. Figure 1 shows the still images of each movie . [Question items] For each of the above movies, "This is a fast-forward playback of people's movements. Each grain represents a person. Each person in this movie likes how much freedom Please give us a five- point scale if you feel like you like regulation . " There were five stages from "I do not feel (0) " to "I feel very much (4) " . [Procedure] each movie is, at a time 1 one by one, the order presented in the random, and so as to answer to every movie. Because it is difficult to answer only while watching the movie actually moving, each movie is made to flow endlessly during the answer. As a briefing of the experimental operation, when the answer was completed, a note was written on the screen saying, "This was actually a simulation movie of gas and liquid molecular motion." Results The average value and standard deviation of the evaluation values of the degree of feeling that the gas and liquid molecular movement patterns were perceived as liking freedom and liking regulation as personality are shown in Table 1 . To see the difference in the degree of preference for freedom and preference for the type of movie shown, we performed a t- test (two-sided) on the difference in the average value of the corresponding (n = 200) . Table 2 shows the results . When looking at the molecular motion of a liquid, the numerical value of the degree of preference for regulation and the degree of preference for regulation was significantly higher than the degree of preference for freedom (t (199)). = 11.15 , p <.01) . When looking at the molecular motion of the gas, the degree of preference for freedom and preference for regulation was significantly higher than the degree of preference for regulation (t (199)). = 18.55 , p <.01) . Regarding which of gas and liquid felt that they prefer freedom, the degree to which the gas molecule motion pattern was felt to be free was significantly higher than the degree to which the liquid molecule motion pattern was felt to be free (t (t (199) = 19.36 , p <.01) . Regarding which of gas and liquid felt that they prefer regulation, the degree to which the liquid molecule motion pattern was preferred to regulation was significantly higher than the degree to which the gas molecule motion pattern was preferred to regulation (t (t (199) = 14.64 , p <.01) . Consideration From the above results, it was found that when one observes the simulation of gas molecule motion as a human, he is perceived as having a preference for freedom, while liquid molecule motion is perceived as having a preference for regulation. It seems that those who behave in the same way as the gas molecular movement pattern seem to prefer freedom, while those who behave in the same way as the liquid molecular movement pattern seem to prefer regulation. Chart

Figure.1 Gas and liquid molecular motion pattern
molecular motion simulation movie (shown by the research participants)

Gas molecular motion



Liquid molecular motion

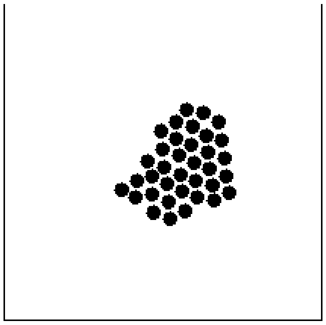


Table.1 Average value and standard deviation (in parentheses) of evaluation values for freedom of gas / liquid molecular motion movies

Stimulus type	Prefer freedom	Prefer regulation
Liquid molecular motion	0.48 (1.02)	2.10 (1.51)
Gas molecular motion	2.79 (1.39)	0.48 (0.90)

n = 200

Table.2 Comparison of average value difference between conditions (corresponding)

Comparison	t test
Prefer liquid regulation-Prefer liquid freedom	t (199) = 11.15 * *
Preference for gas freedom-Preference for gas regulation	t (199) = 18.55 **
Preference for gas freedom-Preference for liquid freedom	t (199) = 19.36 * *
Prefer liquid regulation-Preference for gas regulation	t (199) = 14.64 **

** p <.01, * p <.05

Recognizing personalities that break the rules and keep the rules

2012.07 First appearance

It explains in detail the relationship between freedom-loving and observing personalities and gas and liquid molecular motion patterns. Personality that breaks the rules and gas molecular motion, and personality that breaks the rules and liquid molecular motion are correlated.

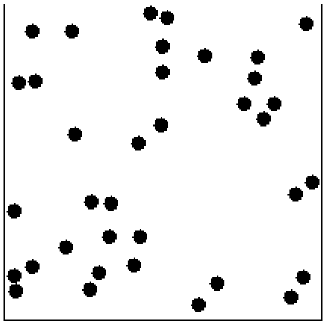
Abstract A web study was conducted to determine the relationship between breaking and following the rules of human perception of personality and keeping the rules of dryness and wetness of the gas and liquid sensations given to humans . A gas-liquid molecular motion pattern was computer simulated 2 to one of the movie study participants 200 to show for the people, felt in each movie, the movement of the particles break the extent to which rules as interpersonal behavior of individuals, protect the rules Was evaluated. As a result, it was found that the gas molecule movement pattern seems to break the rule as people's movement, and the liquid molecule movement pattern seems to follow the rule. Problem We actually showed the participants a simulation movie of the molecular motion of gas and liquid, and examined how much they would break the rules and observe the rules if the movement of each molecule was

regarded as the motion of a human. The method [data collection method] Internet web was collected answers site. In counting responses, in order to respond to the possibility that the same research participant will respond multiple times , it is assumed that the owner of the same IP address is the same respondent at the time of response, and multiple responses with the same IP address 1 along with the considered the only one of the answers and effective, Cookie was set so as not to accept multiple answers using. [Study Subjects] The total number of study participants who responded was 200 (105 men , 95 women). Gender information was obtained by providing a gender selection field on the web page with radio buttons at the time of response and having the user select and input. [Investigation period] survey period is 2007 years 9 May 15 from day 10 May 09 of day 24 was days. [Stimulation Video] stimulation, Ar (argon) to simulate the molecular motion pattern of Java programs, Mitsuru Ikeuchi (2002) web of sites obtained from, as most clearly shows the molecular motion of each liquid and gas, Adjustments were made to represent the molecular motion at an absolute temperature of 20 degrees (liquid) and 300 degrees (gas) , respectively. Gas program displayed, the movie of the liquid each molecule motion capture on a personal computer, each 30 of seconds windowsmediavideo processed into the form of movies, web and can be reproduced from the study participants' computers on the site. Figure 1 shows the still images of each movie . [Question items] For each of the above movies, "This is a fast-forward playback of people's movements. Each grain represents a person. Each character in this movie breaks the rules. Please give us a five- point scale to see if you feel that you are following the rules. " There were five stages from "I do not feel (0) " to "I feel very much (4) " . [Procedure] each movie is, at a time 1 one by one, the order presented in the random, and so as to answer to every movie. Because it is difficult to answer only while watching the movie actually moving, each movie is made to flow endlessly during the answer. As a briefing of the experimental operation, when the answer was completed, a note was written on the screen saying, "This was actually a simulation movie of gas and liquid molecular motion." Results The average value and standard deviation of the ratings of the degree to which the gas and liquid molecular motion patterns were perceived as breaking and following the rules as human characteristics, respectively , are shown in Table 1 . In order to see the difference in the degree of breaking the rules and observing the rules for each type of movie shown, we performed a t- test (two-sided) on the difference in the average value of the corresponding (n = 200) . Table 2 shows the results . When looking at the molecular motion of a liquid, the value of the degree of breaking the rule and feeling that the rule was observed was significantly higher than the level of feeling that the rule was broken (t (199) = 15.46 , p <.01) . When looking at the molecular motion of a gas, the degree of breaking the rules and feeling that the rules were observed was significantly higher than the level of feeling that the rules were broken (t (199) = 8.72 , p <.01) . Regarding which of the gas and the liquid seems to break the rule, the degree of feeling that the gas molecule motion pattern breaks the rule was significantly higher than the degree of feeling that the liquid molecule motion pattern felt the rule was broken (t (199)

$= 13.29$, $p <.01$) . Regarding which one of the gas and the liquid felt that the rule was more obeyed, the degree of feeling that the liquid molecular motion pattern was observed to obey the rule was significantly higher than the degree of feeling that the gas molecular motion pattern was observed to obey the rule (t $(199) = 15.63$, $p <.01$) . Consideration From the above results, it was found that when one observes a simulation of gas molecule motion as a human, it is perceived as breaking the rules, while liquid molecule motion is perceived as obeying the rules. It seems that the personality of a person who behaves in the same way as the gas molecular motion pattern seems to break the rules, and the person who behaves in the same way as the liquid molecule motion pattern seems to observe the rules. Chart

Figure.1 Gas and liquid molecular motion pattern
molecular motion simulation movie (shown by the research participants)

Gas molecular motion



Liquid molecular motion

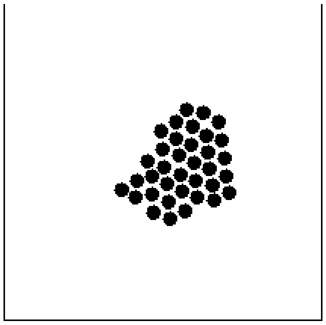


Table.1 Average value and standard deviation of evaluation values that break the rules and follow the rules for gas and liquid molecular motion movies (in parentheses)

	Break the rules	Keep the rules

Stimulus type		
Liquid molecular motion	0.39 (0.90)	2.48 (1.44)
Gas molecular motion	1.92 (1.45)	0.68 (1.08)

n = 200

Table.2 Comparison of average value difference between conditions (corresponding)

Comparison	t test
Keeping the liquid rule-breaking the liquid rule	t (199) = 15.46 * *
Break the gas rules-keep the gas rules	t (199) = 8.72 **
Break the gas rules-break the liquid rules	t (199) = 13.29 * *
Keeping liquid rules-keeping gas rules	t (199) = 15.63 **

** p <.01, * p <.05

Recognition of personality that prefers side-by-side tolerating disparity

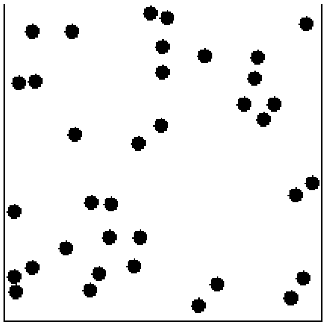
2012.07 First appearance

It explains in detail the relationship between personalities who prefer freedom and side by side, and gas and liquid molecular motion patterns. Personality that allows disparity and gas molecular motion, and personality that prefers side by side and liquid molecular motion are correlated.

Abstract A web study was conducted to clarify the relationship between human personality perceptions, side-by-side preference, and the sensation of dryness and wetness of gaseous substances and liquids on humans . A gas-liquid molecular motion pattern was computer simulated 2 to one of the movie study participants 200 to show for the people, in each movie, the movement of the particles to tolerate a degree of disparity as interpersonal behavior of individuals, like the side-by-side They asked if they could feel it. As a result, it was found that the gas molecular motion pattern seems to accept disparity as people's motion, and the liquid molecular motion pattern seems to prefer side by side. Issues We actually showed the participants a movie of simulation of molecular motions of gas and liquid, and examined how much each person would tolerate disparity when they saw the motion of each molecule as a person's motion. The method [data collection method] Internet web was collected answers site. In counting responses, in order to respond to the possibility that the same research participant will respond multiple times , it is assumed that the owner of the same IP address is the same respondent at the time of response, and multiple responses with the same IP address 1 along with the considered the only one of the answers and effective, Cookie was set so as not to accept multiple answers using. [Study Subjects] The total number of study participants who responded was 200 (105 men , 95 women). Gender information was obtained by providing a gender selection field on the web page with radio buttons at the time of response and having the user select and input. [Investigation period] survey period is 2007 years 9 May 15 from day 10 May 09 of day 24 was days. [Stimulation Video] stimulation, Ar (argon) to simulate the molecular motion pattern of Java programs, Mitsuru Ikeuchi (2002) web of sites obtained from, as most clearly shows the molecular motion of each liquid and gas, Adjustments were made to represent the molecular motion at an absolute temperature of 20 degrees (liquid) and 300 degrees (gas) , respectively. Gas program displayed, the movie of the liquid each molecule motion capture on a personal computer, each 30 of seconds windowsmediavideo processed into the form of movies, web and can be reproduced from the study participants' computers on the site. Figure 1 shows the still images of each movie . [Question item] For each of the above movies, "This is a fast-forward playback of people's movements. Each grain represents a person. Each character in this movie tolerates disparities. Do you feel that you prefer side-by-side? Please rate it on a 5- point scale. " There were five stages from "I do not feel (0) " to "I feel very much (4) " . [Procedure] each movie is, at a time 1 one by one, the order presented in the random, and so as to answer to every movie. Because it is difficult to answer only while watching the movie actually moving, each movie is made to flow endlessly during the answer. As a briefing of the experimental operation, when the answer was completed, a note was written on the screen saying, "This was actually a simulation movie of gas and liquid molecular motion." Results The average value and standard deviation of the evaluation values of the degree to which the gas and liquid molecular movement patterns were perceived to be disparate and preferred to be side by side as personality are shown in Table 1 . In order to tolerate the disparity according to the type of movie shown, and to see the difference in the degree of preference for side-by-side, a t- test (two-sided) of the difference in the average value of the correspondence was performed (n = 200) . Table 2 shows the results . When looking at the molecular motion of the liquid, regarding the degree of accepting disparity and the preference for side-by-side, the numerical value of the degree of preference for side-by-side was significantly higher than the degree of accepting disparity (t (199) = 10.25 , p <.01) . When looking at the molecular motion of the gas, the degree of acceptance of disparity and preference for side-by-side was significantly higher than the degree of perception of acceptance of disparity (t (199) = 8.62 , p <.01) . Regarding which of gas and liquid felt to accept disparity, the degree of perceived gas molecular motion pattern as accepting disparity was significantly higher than the degree of perceived liquid molecular motion pattern as accepting disparity (t (199) = 6.99 , p <.01) . Regarding which one of the gas and the liquid prefers side-by-side preference, the degree of preference for side-by-side preference for liquid molecule motion patterns was significantly higher than the degree of preference for side-by-side preference for gas molecule motion patterns (t (199) = 12.26 , p <.01) . Consideration From the above results, it was found that when a person simulated the motion of gas molecules, the human was perceived as having a tolerance for disparity, while the motion of liquid molecules was perceived as having a preference for side by side. The personality of a person who behaves in a similar manner to the gas molecular movement pattern seems to accept the disparity, and it seems that those who behave in the same way as the liquid molecular movement pattern seem to prefer side by side. Chart

Figure.1 Gas and liquid molecular motion pattern
molecular motion simulation movie (shown by the research participants)

Gas molecular motion



Liquid molecular motion

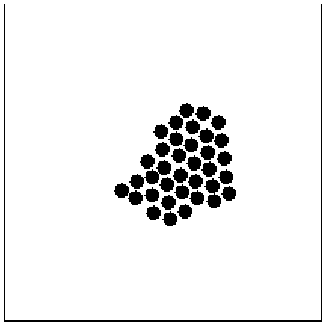


Table.1 Acceptance of disparity to gas and liquid molecular motion movie. Average value and standard deviation of evaluation values preferring side by side (in parentheses)

Stimulus type	Tolerate inequality	Prefer side-by-side
Liquid molecular motion	0.76 (1.05)	2.06 (1.56)
Gas molecular motion	1.56 (1.40)	0.56 (1.00)

n = 200

Table.2 Comparison of average value difference between conditions (corresponding)

Comparison	t test
Prefer liquid side-by-side-tolerate liquid inequality	t (199) = 10.25 * *
Tolerate gas inequality-prefer side-by-side gas	t (199) = 8.62 **
Tolerate gas inequality-tolerate liquid inequality	t (199) = 6.99 * *
Prefer liquid side-by-side like gas side-by-side	t (199) = 12.26 **

** p <.01, * p <.05

Recognition of independent, dependent personalities

2012.07 First appearance

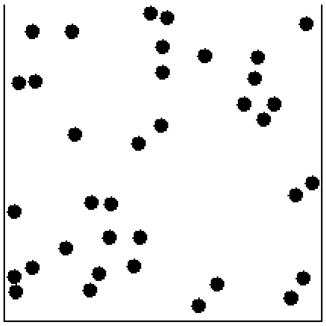
Learn more about the relationship between independent, dependent personalities and gas and liquid molecular motion patterns. Independent personality correlates with gas molecular motion, dependent personality correlates with liquid molecular motion.

Abstract A web study was conducted to determine the relationship between the self-reliance and dependence of human perception of personality and the dry and wet sensations of gas and liquid matter to humans . A gas-liquid molecular motion pattern was computer simulated 2 to one of the movie study participants 200 to show for the people, in each movie, the movement of the particles are how much independence as interpersonal behavior of the individual, dependent manner feeling Was evaluated. As a result, it was found that the gas molecule movement pattern is independent as people's movement, and the liquid molecule movement pattern seems to be dependent. Problem We actually showed the participants a simulation movie of the molecular motion of gas and liquid, and examined how much they felt independent and dependent on each other assuming that the motion of each molecule was human motion. The method [data collection method] Internet web was collected answers site. In counting responses, in order to respond to the possibility that the same research participant will respond multiple times , it is assumed that the owner of the same IP address is the same respondent at the time of response, and multiple responses with the same IP address 1 along with the considered the only one of the answers and effective, Cookie was set so as not to accept multiple answers using. [Study Subjects] The total number of study participants who responded was 200 (105 men , 95 women). Gender information was obtained by providing a gender selection field on the web page with radio buttons at the time of response and having the user select and input. [Investigation period] survey period is 2007 years 9 May 15 from day 10 May 09 of day 24 was days. [Stimulation Video] stimulation, Ar (argon) to simulate the molecular motion pattern of Java programs, Mitsuru

Ikeuchi (2002) web of sites obtained from, as most clearly shows the molecular motion of each liquid and gas, Adjustments were made to represent the molecular motion at an absolute temperature of 20 degrees (liquid) and 300 degrees (gas) , respectively. Gas program displayed, the movie of the liquid each molecule motion capture on a personal computer, each 30 of seconds windowsmediavideo processed into the form of movies, web and can be reproduced from the study participants' computers on the site. Figure 1 shows the still images of each movie . [Question item] Regarding each of the above movies, "This is a fast-forward playback of people's movements. Each grain represents a person. Each person has an independent character. Please give a five- point scale if you feel dependent or dependent . " There were five stages from "I do not feel (0) " to "I feel very much (4) " . [Procedure] each movie is, at a time 1 one by one, the order presented in the random, and so as to answer to every movie. Because it is difficult to answer only while watching the movie actually moving, each movie is made to flow endlessly during the answer. As a briefing of the experimental operation, when the answer was completed, a note was written on the screen saying, "This was actually a simulation movie of gas and liquid molecular motion." Results The average value and standard deviation of the evaluation values of the degree to which the gas and liquid molecular motion patterns were considered to be independent and dependent on the personality of the person, respectively, are as shown in Table 1 . In order to see the difference in the degree of dependence and independence for each type of movie shown, we performed a t- test (two-sided) for the difference in the average value of the correspondence (n = 200) . Table 2 shows the results . When looking at the molecular motion of the liquid, the value of the degree of independence and dependence was significantly higher than that of accepting disparity (t (199) = 20.01 , p <.01) . When looking at the molecular motion of the gas, the degree of independence or dependence was significantly higher than the degree of independence (t (199)) = 8.34 , p <.01) . Regarding which of gas and liquid felt more independent, the degree of feeling that the gas molecule movement pattern was independent was significantly higher than the degree of feeling that the liquid molecule movement pattern was independent. (t (199) = 13.21 , p <.01) . Regarding which of gas and liquid is more dependent, the degree to which the liquid molecule motion pattern was dependent was significantly higher than the degree to which the gas molecular motion pattern was dependent (t (199) = 19.47 , p <.01) . Consideration From the above results, it was found that when a person simulated the motion of gas molecules, the human was perceived as having a self-sustaining character, while the motion of liquid molecules was perceived as dependent. The personality of a person who behaves similarly to the gas molecular motion pattern seems to be independent, and it seems that the person who behaves like the liquid molecular motion pattern seems to be dependent. Chart

Figure.1 Gas and liquid molecular motion pattern
molecular motion simulation movie (shown by the research participants)

Gas molecular motion



Liquid molecular motion

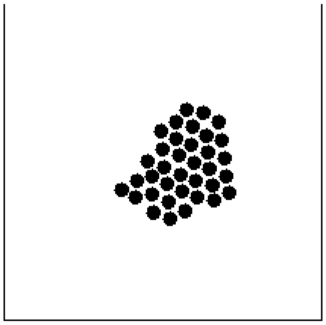


Table.1 Independent and dependent evaluation values for gas and liquid molecular motion movies and standard deviation (in parentheses)

Stimulus type	Independent	Dependent
Liquid molecular motion	0.32 (0.83)	2.75 (1.28)
Gas molecular motion	1.81 (1.47)	0.64 (1.09)

n = 200

Table.2 Comparison of average value difference between conditions (corresponding)

Comparison	t test
Liquid dependent-liquid independent	t (199) = 20.01 * *
Gas independent-gas dependent	t (199) = 8.34 **
Gas independent-liquid independent	t (199) = 13.21 * *
Liquid dependent-gas dependent	t (199) = 19.47 **

** p <.01, * p <.05

Recognition of bright and dark personalities

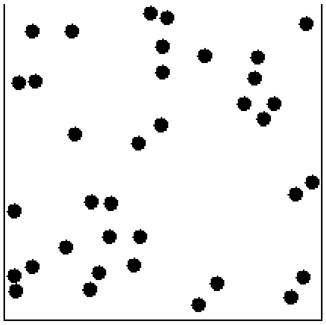
2012.07 First appearance

Learn more about the relationship between bright and dark personalities and gas and liquid molecular motion patterns. Bright personality correlates with gas molecular motion, and dark personality correlates with liquid molecular motion.

Abstract A web study was conducted to clarify the relationship between the lightness and darkness of human perception of personality and the dryness and wetness of the sensation of gaseous substances and liquids given to humans . A gas-liquid molecular motion pattern was computer simulated 2 to one of the movie study participants 200 to show for the people, in each movie, evaluate whether the movement of the particles is how much bright as interpersonal behavior of the individual, it is felt in the dark I was asked to. As a result, it was found that the gas molecule motion pattern was bright as people's motion, and the liquid molecule motion pattern was dark. Problem We actually showed the participants a simulation movie of the molecular motion of gas and liquid, and determined how active and dark they felt when the motion of each molecule was assumed to be human motion. The method [data collection method] Internet web was collected answers site. In counting responses, in order to respond to the possibility that the same research participant will respond multiple times , it is assumed that the owner of the same IP address is the same respondent at the time of response, and multiple responses with the same IP address 1 along with the considered the only one of the answers and effective, Cookie was set so as not to accept multiple answers using. [Study Subjects] The total number of study participants who responded was 200 (105 men , 95 women). Gender information was obtained by providing a gender selection field on the web page with radio buttons at the time of response and having the user select and input. [Investigation period] survey period is 2007 years 9 May 15 from day 10 May 09 of day 24 was days. [Stimulation Video] stimulation, Ar (argon) to simulate the molecular motion pattern of Java programs, Mitsuru Ikeuchi (2002) web of sites obtained from, as most clearly shows the molecular motion of each liquid and gas, Adjustments were made to represent the molecular motion at an absolute temperature of 20 degrees (liquid) and 300 degrees (gas) , respectively. Gas program displayed, the movie of the liquid each molecule motion capture on a personal computer, each 30 of seconds windowsmediavideo processed into the form of movies, web and can be reproduced from the study participants' computers on the site. Figure 1 shows the still images of each movie . [Question item] For each of the above movies, "This is a fast-forward reproduction of people's movements. Each grain represents an individual person. How bright and dark people are in this movie Please rate it on a 5- point scale. " There were five stages from "I do not feel (0) " to "I feel very much (4) " . [Procedure] each movie is, at a time 1 one by one, the order presented in the random, and so as to answer to every movie. Because it is difficult to answer only while watching the movie actually moving, each movie is made to flow endlessly during the answer. As a briefing of the experimental operation, when the answer was completed, a note was written on the screen saying, "This was actually a simulation movie of gas and liquid molecular motion." Results The average value and standard deviation of the evaluation values of the degree to which the gas and liquid molecular motion patterns were perceived as bright and dark, respectively, as human characteristics are as shown in Table 1 . In order to see the difference in the degree of lightness and darkness for each type of movie shown, a t- test (two-sided) was performed on the difference between the corresponding average values (n = 200) . Table 2 shows the results . When looking at the molecular motion of the liquid, the degree of feeling bright and dark was significantly higher than the degree of feeling bright (t (199) = 10.60 , p <.01) . When looking at the molecular motion of the gas, the degree of feeling bright and dark was significantly higher than the degree of feeling dark (t (199) = 4.92 , p <.01) . Regarding which gas or liquid feels brighter, the degree to which the gas molecule motion pattern was brighter was significantly higher than the degree to which the liquid molecule motion pattern was brighter (t (199) = 10.17 , p <.01) .) . Regarding which gas or liquid felt darker, the degree to which the liquid molecular motion pattern was dark was significantly higher than the degree to which the gas molecular motion pattern was dark (t (199) = 9.34 , p <.01) .) . Consideration From the above results, it was found that when a person simulated the motion of gas molecules, the human was perceived as having a bright personality, while the motion of liquid molecules was perceived as having a dark personality. It is thought that a person who behaves similarly to the gas molecular movement pattern has a bright personality, and a person who behaves like the liquid molecular movement pattern feels dark. Chart

Figure.1 Gas and liquid molecular motion pattern
molecular motion simulation movie (shown by the research participants)

Gas molecular motion



Liquid molecular motion

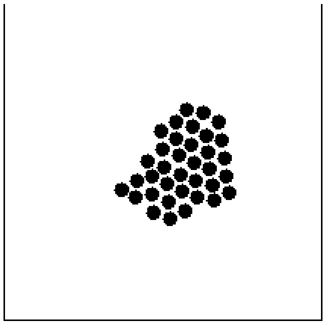


Table.1 Average and standard deviation of bright and dark evaluation values for gas and liquid molecular motion movies (in parentheses)

Stimulus type	Bright	dark
Liquid molecular motion	0.53 (0.94)	2.02 (1.46)
Gas molecular motion	1.67 (1.44)	0.89 (1.31)

n = 200

Table.2 Comparison of average value difference between conditions (corresponding)

Comparison	t test
Liquid dark-liquid bright	t (199) = 10.60 * *
Gas Bright-Gas Dark	t (199) = 4.92 **
Gas Bright-Liquid Bright	t (199) = 10.17 * *
Liquid dark-gas dark	t (199) = 9.34 **

** p <.01, * p <.05

Recognition of cold and warm personalities

2012.07 First appearance

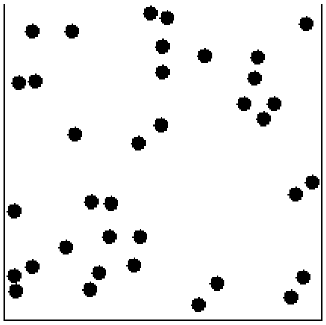
Learn more about the relationship between cold and warm personalities and gas and liquid molecular motion patterns. Correlation between cold personality and gas molecular motion, warm personality and liquid molecular motion.

Abstract A web study was conducted to clarify the relationship between the cold and warmth of human perception of personality and the dryness and wetness of the sensation of gaseous and liquid to humans . A gas-liquid molecular motion pattern was computer simulated 2 to one of the movie study participants 200 to show for the people, in each movie, evaluate whether the movement of the particles is how much cold as interpersonal behavior of the individual, is felt to

warm I was asked to. As a result, it was found that the gas molecule motion pattern was cold as people's motion, and the liquid molecule motion pattern was warm. Problem We actually showed the participants a movie of simulation of the molecular motion of gas and liquid, and determined how cold and warm they felt when the motion of each molecule was assumed to be that of a human. The method [data collection method] Internet web was collected answers site. In counting responses, in order to respond to the possibility that the same research participant will respond multiple times , it is assumed that the owner of the same IP address is the same respondent at the time of response, and multiple responses with the same IP address 1 along with the considered the only one of the answers and effective, Cookie was set so as not to accept multiple answers using. [Study Subjects] The total number of study participants who responded was 200 (105 men , 95 women). Gender information was obtained by providing a gender selection field on the web page with radio buttons at the time of response and having the user select and input. [Investigation period] survey period is 2007 years 9 May 15 from day 10 May 09 of day 24 was days. [Stimulation□PI] stimulation, Ar (argon) to simulate the molecular motion pattern of Java programs, Mitsuru Ikeuchi (2002) web of sites obtained from, as most clearly shows the molecular motion of each liquid and gas The temperature was adjusted to represent the molecular motions of the absolute temperature of 20 degrees (liquid) and 300 degrees (gas) . Gas program displayed, the movie of the liquid each molecule motion capture on a personal computer, each 30 of seconds windowsmediavideo processed into the form of movies, web and can be reproduced from the study participants' computers on the site. Figure 1 shows the still images of each movie . [Question item] For each of the above movies, "This is a fast-forward reproduction of people's movements. Each grain represents an individual person. How cold and warm the people in this movie are Please rate it on a 5- point scale. " There were five stages from "I do not feel (0) " to "I feel very much (4) " . [Procedure] each movie is, at a time 1 one by one, the order presented in the random, and so as to answer to every movie. Because it is difficult to answer only while watching the movie actually moving, each movie is made to flow endlessly during the answer. As a briefing of the experimental operation, when the answer was completed, a note was written on the screen saying, "This was actually a simulation movie of gas and liquid molecular motion." Result The average value and standard deviation of the evaluation values of the degree to which the gas and liquid molecular motion patterns were felt as cold and warm as the personality, respectively, are as shown in Table 1 . In order to see the difference in the degree of feeling cold and warm for each type of movie shown, a t- test (two-sided) was performed on the difference between the corresponding average values (n = 200) . Table 2 shows the results . When viewed molecular motion of the liquid, cold, warm, for degree of feel, the numerical value of the degree to feel warm, significant difference in value of the degree of feeling cold was observed (t (199) = 0.04) . When looking at the molecular motion of the gas, the degree of feeling cold and warm was significantly higher than the degree of feeling warm (t (199) = 4.75 , p <.01) . Regarding which gas or liquid feels colder, the degree to which the gas molecule motion pattern is cold was significantly higher than the degree to which the liquid molecule motion pattern was cold (t (199) = 2.36 , p <.05).) . Regarding which gas or liquid feels warmer, the degree to which the liquid molecule motion pattern is warmer is significantly higher than the degree to which the gas molecule motion pattern is warmer (t (199) = 3.82 , p <.01) .) . Discussion From the above results, it was found that when a person simulated the motion of a gas molecule, the person was perceived as having a cold personality, while the motion of a liquid molecule was perceived as having a warm personality. It is thought that a person who behaves similarly to the gas molecular movement pattern has a cold personality, and a person who behaves like the liquid molecular movement pattern feels warm. Chart

Figure.1 Gas and liquid molecular motion pattern
molecular motion simulation movie (shown by the research participants)

Gas molecular motion



Liquid molecular motion

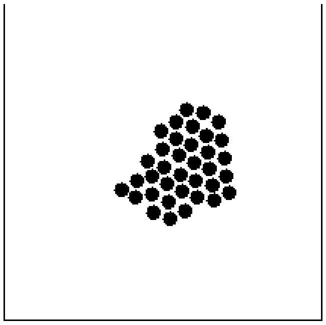


Table.1 Average value and standard deviation of cold and warm evaluation values for gas and liquid molecular motion movies (in parentheses)

Stimulus type	Cold	Warmly

Liquid molecular motion	1.08 (1.32)	1.08 (1.23)
Gas molecular motion	1.36 (1.40)	0.71 (1.03)

n = 200

Table.2 Comparison of average value difference between conditions (corresponding)

Comparison	t test
Liquid warm-liquid cold	t (199) = 0.04
Gas cold-gas warm	t (199) = 4.75 **
Gas Cold-Liquid Cold	t (199) = 2.36 *
Liquid warm-gas warm	t (199) = 3.82 **

** p <.01, * p <.05

Awareness of personalities that take responsibility and avoid responsibility

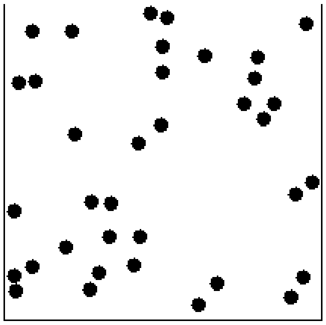
2012.07 First appearance

It details the relationship between taking responsibility and avoiding responsibility personality and gas and liquid molecular motion patterns. Personality taking responsibility and gas molecular motion correlate with personality taking responsibility and liquid molecular motion.

Abstract A web study was conducted to determine the responsibilities of human perception of personality, avoiding responsibilities, and elucidating the relationship between the dryness and wetness of the sensations of gas and liquid on humans . A gas-liquid molecular motion pattern was computer simulated 2 to one of the movie study participants 200 to show for the people, in each movie, the movement of the particles takes how much responsibility as interpersonal behavior of individuals, in order to avoid responsibility They asked if they could feel it. As a result, it was found that both gas and liquid molecular motions were perceived as avoiding responsibility. However, comparing molecular gas motion with liquid molecular motion, the degree of perceived as avoiding responsibility is higher for liquid molecular motion, and when viewed relatively, a personality that performs behavior equivalent to liquid molecular motion. Proved to be more evasive. Issues We actually showed the participants a movie of the simulation of gas and liquid molecular motions, and examined how active they felt they would avoid their responsibilities if they assumed that the motion of each molecule was a human motion. The method [data collection method] Internet web was collected answers site. In counting responses, in order to respond to the possibility that the same research participant will respond multiple times , it is assumed that the owner of the same IP address is the same respondent at the time of response, and multiple responses with the same IP address 1 along with the considered the only one of the answers and effective, Cookie was set so as not to accept multiple answers using. [Study Subjects] The total number of study participants who responded was 200 (105 men , 95 women). Gender information was obtained by providing a gender selection field on the web page with radio buttons at the time of response and having the user select and input. [Investigation period] survey period is 2007 years 9 May 15 from day 10 May 09 of day 24 was days. [Stimulation Video] stimulation, Ar (argon) to simulate the molecular motion pattern of Java programs, Mitsuru Ikeuchi (2002) web of sites obtained from, as most clearly shows the molecular motion of each liquid and gas, Adjustments were made to represent the molecular motion at an absolute temperature of 20 degrees (liquid) and 300 degrees (gas) , respectively. Gas program displayed, the movie of the liquid each molecule motion capture on a personal computer, each 30 of seconds windowsmediavideo processed into the form of movies, web and can be reproduced from the study participants' computers on the site. Figure 1 shows the still images of each movie . [Question items] For each of the above movies, "This is a fast-forward playback of people's movements. Each grain represents a person. Each person is responsible for the character in this movie. as such, if feels like to avoid responsibility 5 Please evaluation phase. as "take responsibility, were each allowed to answer separately to avoid responsibility. There were five stages from "I do not feel (0) " to "I feel very much (4) " . [Procedure] each movie is, at a time 1 one by one, the order presented in the random, and so as to answer to every movie. Because it is difficult to answer only while watching the movie actually moving, each movie is made to flow endlessly during the answer. As a briefing of the experimental operation, when the answer was completed, a note was written on the screen saying, "This was actually a simulation movie of gas and liquid molecular motion." Results The average value and standard deviation of the evaluation values of the degree to which the gas and liquid molecular movement patterns were felt to take responsibility and avoid responsibility, respectively, are as shown in Table 1 . We performed a t- test (two-sided) on the difference in the average value of the correspondences to see the difference in the degree of feeling of avoiding the responsibilities, such as taking responsibility for each type of movie shown (n = 200) . Table 2 shows the results . When looking at the molecular motion of a liquid, the degree to which one feels to take responsibility and avoids responsibility is significantly greater than the degree to which one feels to take responsibility. High (t (199) = 13.20 , p <.01) . When I saw the molecular motion of the gas, to take responsibility, so as to avoid responsibility for the degree to which the feel, the numerical value of the degree to which you feel so as to avoid responsibility, than the degree you feel like taking the responsibility, significantly High (t (199) = 8.33 , p <.01) . There was no significant difference between gas and liquid which seemed to take more responsibility (t (199) = 0.36) . Regarding which of gas and liquid seems to avoid responsibility, the degree to which the liquid molecular motion pattern feels to avoid responsibility is more significant than the degree to which the gas molecular motion pattern feels to avoid responsibility. It was higher in the (T (199) = 4.76 , the p-<.01) . Consideration From the above results, it was found that when one observes a simulation of gas molecule motions as a person, he is perceived as having a tendency to avoid responsibility, while liquid molecule motion is also perceived as having a nature of avoiding responsibility. However, comparing molecular gas motion with liquid molecular motion, the degree of perceived as avoiding responsibility is higher for liquid molecular motion, and when viewed relatively, a personality that performs behavior equivalent to liquid molecular motion. Proved to be more evasive. Chart

Figure.1 Gas and liquid molecular motion pattern
molecular motion simulation movie (shown by the research participants)

Gas molecular motion



Liquid molecular motion

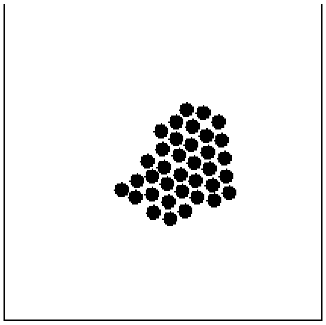


Table.1 Responsibility for gas and liquid molecular motion movie. Average value and standard deviation of evaluation value to avoid responsibility (in parentheses)

Stimulus type	Take responsibility	To avoid liability
Liquid molecular motion	0.59 (0.98)	2.29 (1.45)
Gas molecular motion	0.62 (1.04)	1.65 (1.43)

n = 200

Table.2 Comparison of average value difference between conditions (corresponding)

Comparison	t test
Avoid Liquid Liability-Take Liquid Liability	t (199) = 13.20 * *
So as to avoid the gas responsibility - to take the gas responsibility	t (199) = 8.33 **
Take Gas Responsibility-Take Liquid Responsibility	t (199) = 0.36
Avoid liquid liability-avoid gas liability	t (199) = 4.76 **

** p <.01, * p <.05

Recognition of open, closed and exclusive personalities

2012.07 First appearance

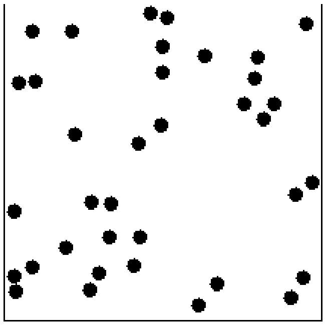
Explains in detail the relationship between open, closed, and exclusive personalities and gas and liquid molecular motion patterns. Open personality correlates with gas molecular motion, closed and exclusive personality correlates with liquid molecular motion.

Abstract A web study was conducted to clarify the relationship between open, closed, and exclusive human perceptions of personality, and the dryness and wetness of the sensations of humans as gas and liquid . A gas-liquid molecular motion pattern was computer simulated 2 to one of the movie study participants 200 to show for the people, in each movie, how much open movement of particles as interpersonal behavior of individual, closed, exclusive They asked if they could feel it. As a result, it was found that the gas molecule

movement pattern was perceived as open as people's movement, and the liquid molecule movement pattern was closed and exclusive. Challenge Actually, we showed the participants a movie of simulation of gas and liquid molecule motions, and examined how much each molecule feels open, closed, and exclusive when it is assumed to be human motion. The method [data collection method] Internet web was collected answers site. In counting responses, in order to respond to the possibility that the same research participant will respond multiple times , it is assumed that the owner of the same IP address is the same respondent at the time of response, and multiple responses with the same IP address 1 along with the considered the only one of the answers and effective, Cookie was set so as not to accept multiple answers using. [Study Subjects] The total number of study participants who responded was 200 (105 men , 95 women). Gender information was obtained by providing a gender selection field on the web page with radio buttons at the time of response and having the user select and input. [Investigation period] survey period is 2007 years 9 May 15 from day 10 May 09 of day 24 was days. [Stimulation Video] stimulation, Ar (argon) to simulate the molecular motion pattern of Java programs, Mitsuru Ikeuchi (2002) web of sites obtained from, as most clearly shows the molecular motion of each liquid and gas, Adjustments were made to represent the molecular motion at an absolute temperature of 20 degrees (liquid) and 300 degrees (gas) , respectively. Gas program displayed, the movie of the liquid each molecule motion capture on a personal computer, each 30 of seconds windowsmediavideo processed into the form of movies, web and can be reproduced from the study participants' computers on the site. Figure 1 shows the still images of each movie . [Question item] For each of the above movies, "This is a fast-forward playback of people's movements. Each grain represents an individual person. How open-minded are the people in this movie, Please rate it on a scale of 1 to 5 whether it feels closed or exclusive . " There were five stages from "I do not feel (0) " to "I feel very much (4) " . [Procedure] each movie is, at a time 1 one by one, the order presented in the random, and so as to answer to every movie. Because it is difficult to answer only while watching the movie actually moving, each movie is made to flow endlessly during the answer. As a briefing of the experimental operation, when the answer was completed, a note was written on the screen saying, "This was actually a simulation movie of gas and liquid molecular motion." Results The average value and standard deviation of the evaluation values of the degree to which the gas and liquid molecular movement patterns were perceived as open, closed, and exclusive, respectively, as human characteristics are as shown in Table 1 . In order to see the difference in the degree of openness, closedness, and exclusive feeling for each type of movie shown, a t- test (two-sided) was performed on the difference in the average value of the corresponding (n = 200) . Table 2 shows the results . When looking at the molecular motion of the liquid, the values of the degree of feeling open, closed, and exclusive were significantly higher than the degree of feeling open, respectively . In the comparison between closed and exclusive, in the liquid molecular motion, the numerical value of the degree of feeling closed was significantly higher than the degree of feeling exclusive. Looking at the molecular motion of the gas, the degree of openness, closedness, and exclusiveness was significantly higher than that of closedness and exclusiveness, respectively . In the comparison between closed and exclusive, in the gas molecule motion, the numerical value of the degree of exclusiveness was significantly higher than that of closedness. Regarding which of the gas and the liquid was felt more open, the degree of the gas molecule movement pattern felt open was significantly higher than the degree of the liquid molecule movement pattern felt open . Regarding which of gas and liquid was more closed, the degree of closing the liquid molecule motion pattern was significantly higher than the degree of closing the gas molecular movement pattern . Regarding which one of the gas and the liquid felt more exclusive, the degree of exclusively feeling the liquid molecule motion pattern was significantly higher than the degree of exclusively feeling the gas molecule motion pattern . Discussion From the above results, it was found that when a person simulates the simulation of gas molecule motion and observes it, the character is perceived as open character, while the motion of liquid molecule is perceived as closed and exclusive character. It is thought that the personality of a person who behaves like the gas molecular motion pattern seems to be open, while the person who behaves like the liquid molecular motion pattern seems to be closed and exclusive. In comparing closed and exclusive, exclusive is considered to be a closer concept to open. Chart

Figure.1 Gas and liquid molecular motion pattern
molecular motion simulation movie (shown by the research participants)

Gas molecular motion



Liquid molecular motion

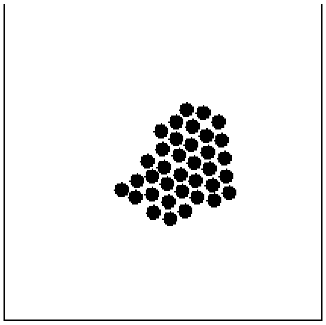


Table.1 Average and standard deviation of open and closed evaluation values for gas and liquid molecular motion movies (in parentheses)

Stimulus type	Open	Closed	Exclusive
Liquid molecular motion	0.38 (0.94)	2.60 (1.41)	1.81 (1.55)
Gas molecular motion	2.30 (1.51)	1.08 (1.41)	1.40 (1.34)

n = 200

Table.2 Comparison of average value difference between conditions (corresponding)

Comparison	t test
Liquid closed-liquid open	t (199) = 17.13 * *
Liquid exclusive-liquid open	t (199) = 10.71 **
Liquid closed- liquid exclusive	t (199) = 6.00 **

Gas open - gas closed	t (199) = 7.36 **
Gas open - gas exclusive	t (199) = 6.17 **
Gas exclusive- gas closed	t (199) = 2.75 **
Open gas-Open liquid	t (199) = 15.95 * *
Liquid closed-gas closed	t (199) = 11.95 **
Liquid Exclusive-Gas Exclusive	t (199) = 2.85 **

** p <.01, * p <.05

Recognition of active and passive personalities

2012.07 First appearance

Explains in detail the relationship between active and passive personalities and gas and liquid molecular motion patterns. Active personality correlates with gas molecular motion, passive personality correlates with liquid molecular motion.

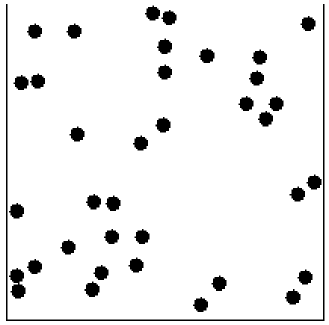
Abstract A web study was conducted to clarify the relationship between active and passive human perceptions of personality and the dry and wet sensations of materials and liquids given to humans . A gas-liquid molecular motion pattern was computer simulated 2 to one of the movie study participants 200 to show for the people, in each movie, or the movement of the particles is how much active as interpersonal behavior of the individual, are passively feeling Was evaluated. As a result, it was found that the movement pattern of gas molecules was perceived as active as people's movement, and the movement pattern of liquid molecules was perceived as passive. Problem We actually showed the

participants a movie of simulation of the molecular motion of gas and liquid, and examined how active and passive they felt when the motion of each molecule was assumed to be human motion. The method [data collection method] Internet web was collected answers site. In counting responses, in order to respond to the possibility that the same research participant will respond multiple times , it is assumed that the owner of the same IP address is the same respondent at the time of response, and multiple responses with the same IP address 1 along with the considered the only one of the answers and effective, Cookie was set so as not to accept multiple answers using. [Study Subjects] The total number of study participants who responded was 200 (105 men , 95 women). Gender information was obtained by providing a gender selection field on the web page with radio buttons at the time of response and having the user select and input. [Investigation period] survey period is 2007 years 9 May 15 from day 10 May 09 of day 24 was days. [Stimulation Video] stimulation, Ar (argon) to simulate the molecular motion pattern of Java programs, Mitsuru Ikeuchi (2002) web of sites obtained from, as most clearly shows the molecular motion of each liquid and gas, Adjustments were made to represent the molecular motion at an absolute temperature of 20 degrees (liquid) and 300 degrees (gas) , respectively. Gas program displayed, the movie of the liquid each molecule motion capture on a personal computer, each 30 of seconds windowsmediavideo processed into the form of movies, web and can be reproduced from the study participants' computers on the site. Figure 1 shows the still images of each movie . [Question item] For each of the above movies, "This is a fast-forward playback of people's movements. Each grain represents an individual person. How active is the character of the people in this movie, Please rate it on a 5- point scale if it feels passive . " There were five stages from "I do not feel (0) " to "I feel very much (4) " . [Procedure] each movie is, at a time 1 one by one, the order presented in the random, and so as to answer to every movie. Because it is difficult to answer only while watching the movie actually moving, each movie is made to flow endlessly during the answer. As a briefing of the experimental operation, when the answer was completed, a note was written on the screen saying, "This was actually a simulation movie of gas and liquid molecular motion." Results The average value and standard deviation of the evaluation values of the degree to which the gas and liquid molecular movement patterns were perceived as active and passive, respectively, as human characteristics are as shown in Table 1 . In order to see the difference in the degree of active and passive feeling for each type of movie shown, we performed a t- test (two-sided) on the difference between the corresponding average values (n = 200) . Table 2 shows the results . When looking at the molecular motion of the liquid, the degree of perceived as active and passive was significantly higher than the degree of perceived disparity (t (199) = 9.58 , p <.01) . When looking at the molecular motion of the gas, the degree of perceived as active and passive was significantly higher than the degree of perceived as active (t (199) = 8.44 , p <.01) . Regarding which of the gas and the liquid was more active, the degree to which the gas molecule movement pattern was active was significantly higher than the degree to which the liquid molecule movement pattern was active (t

(199) = 11.25 , p <.01) . Regarding which of gas and liquid is more passive, the degree of passively perceiving the liquid molecular movement pattern was significantly higher than the degree of passively perceiving the gas molecular movement pattern (t (199) = 9.72 , p <.01) . Consideration From the above results, it was found that when a person simulated the motion of a gas molecule and observed it by a human, it was recognized as an active character, while the motion of a liquid molecule was recognized as a passive character. It is thought that the personality of a person who behaves like the gas molecular motion pattern seems to be active, while the person who behaves like the liquid molecular motion pattern seems to be passive. Chart

Figure.1 Gas and liquid molecular motion pattern
molecular motion simulation movie (shown by the research participants)

Gas molecular motion



Liquid molecular motion

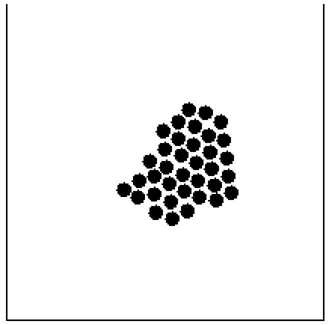


Table.1 Average and standard deviation of active and passive evaluation values for gas and liquid molecular motion movies (in parentheses)

	Active	Passive

Stimulus type		
Liquid molecular motion	0.88 (1.17)	2.21 (1.41)
Gas molecular motion	2.22 (1.40)	1.00 (1.27)

n = 200

Table.2 Comparison of average value difference between conditions (corresponding)

Comparison	t test
Liquid passive-liquid active	t (199) = 9.58 * *
Gas Active-Gas Passive	t (199) = 8.44 **
Gas Active-Liquid Active	t (199) = 11.25 * *
Liquid passive-gas passive	t (199) = 9.72 **

** p <.01, * p <.05

Recognition of personality with privacy

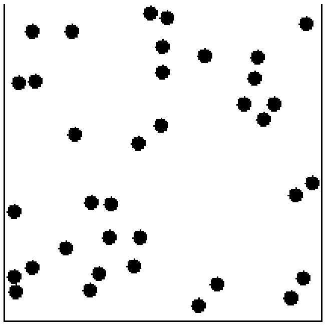
2012.07 First appearance

Learn more about the relationship between privacy personalities and gas and liquid molecular motion patterns. Correlation between privacy personality and gas molecular motion.

Abstract A web study was conducted to determine the relationship between human perceptions of privacy and personality, and the dryness and wetness of the sensation of gas and liquid on humans . A gas-liquid molecular motion pattern was computer simulated 2 to one of the movie study participants 200 to show for the people, in each movie, or feels like the movement of the particles is how much privacy as interpersonal behavior of individual I was evaluated. As a result, it was found that the gas molecule motion pattern seems to have more privacy as people's motion than the liquid molecule motion. Problem We actually showed the participants a simulation movie of the molecular motion of gas and liquid, and examined how much privacy would be felt when each molecule was regarded as a human motion. The method [data collection method] Internet web was collected answers site. In counting responses, in order to respond to the possibility that the same research participant will respond multiple times , it is assumed that the owner of the same IP address is the same respondent at the time of response, and multiple responses with the same IP address 1 along with the considered the only one of the answers and effective, Cookie was set so as not to accept multiple answers using. [Study Subjects] The total number of study participants who responded was 200 (105 men , 95 women). Gender information was obtained by providing a gender selection field on the web page with radio buttons at the time of response and having the user select and input. [Investigation period] survey period is 2007 years 9 May 15 from day 10 May 09 of day 24 was days. [Stimulation Video] stimulation, Ar (argon) to simulate the molecular motion pattern of Java programs, Mitsuru Ikeuchi (2002) web of sites obtained from, as most clearly shows the molecular motion of each liquid and gas, Adjustments were made to represent the molecular motion at an absolute temperature of 20 degrees (liquid) and 300 degrees (gas) , respectively. Gas program displayed, the movie of the liquid each molecule motion capture on a personal computer, each 30 of seconds windowsmediavideo processed into the form of movies, web and can be reproduced from the study participants' computers on the site. Figure 1 shows the still images of each movie . [Question items] For each of the above movies, "This is a fast-forward playback of people's movements. Each grain represents an individual person. Please rate it on a five- point scale. " There were five stages from "I do not feel (0) " to "I feel very much (4) " . [Procedure] each movie is, at a time 1 one by one, the order presented in the random, and so as to answer to every movie. Because it is difficult to answer only while watching the movie actually moving, each movie is made to flow endlessly during the answer. As a briefing of the experimental operation, when the answer was completed, a note was written on the screen saying, "This was actually a simulation movie of gas and liquid molecular motion." Results The average value and standard deviation of the evaluation values of the degree to which the gas and liquid molecular movement patterns were perceived as having the privacy of a person are as shown in Table 1 . In order to see the difference in the degree of privacy for each type of movie shown, a t- test (two-sided) was performed on the difference between the averages of the corresponding movies (n = 200) . Table 2 shows the results . Regarding which of gas and liquid has more privacy, the degree of privacy of gas molecule motion pattern is significantly higher than the degree of privacy of liquid molecule motion pattern (t (t (199) = 6.63 , p <.01) . Consideration From the above results, it was found that when a person simulates the simulation of gas molecule motion and observes it, it is perceived as having more privacy than the case of liquid molecule motion. It is thought that the personality of a person who behaves like the gas molecular motion pattern seems to be more privacy than the person who behaves like the liquid molecular motion pattern. Chart

Figure.1 Gas and liquid molecular motion pattern
molecular motion simulation movie (shown by the research participants)

Gas molecular motion



Liquid molecular motion

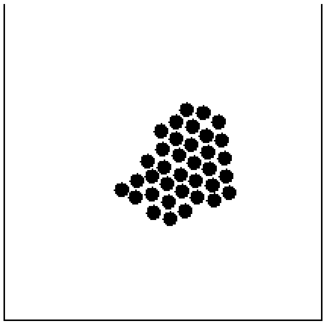


Table.1 Average value and standard deviation of evaluation values with privacy for gas and liquid molecular motion movies (in parentheses)

Stimulus type	Have privacy
Liquid molecular motion	

	0.54 (0.96)
Gas molecular motion	1.24 (1.33)

n = 200

Table.2 Comparison of average value difference between conditions (corresponding)

Comparison	t test
Has gas privacy-has liquid privacy	t (199) = 6.63 * *

** p <.01, * p <.05

Recognition of a fascinating personality

2012.07 First appearance

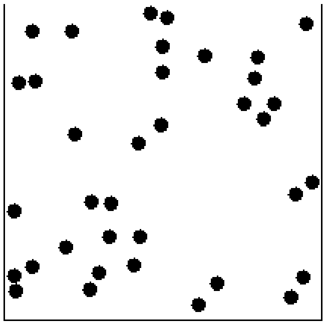
Explains in detail the relationship between the fascinating personality and the gas and liquid molecular motion patterns. Fluent personality and liquid molecular motion are correlated.

Abstract A web study was conducted to clarify the relationship between human perception of personality and the dryness and wetness of the sensations of gas and liquid to humans . A gas-liquid molecular motion pattern was

computer simulated 2 to one of the movie study participants 200 to show for the people, in each movie, to evaluate whether the movement of the particles can be felt as flatter what extent as interpersonal behavior of individual I got it. As a result, it was found that the liquid molecular motion pattern seems to be more intense as the motion of people than the gas molecular motion. Problem We actually showed the participants a movie of simulation of gas and liquid molecular motions, and examined how much each molecule feels like a human when it is regarded as a human motion. The method [data collection method] Internet web was collected answers site. In counting responses, in order to respond to the possibility that the same research participant will respond multiple times , it is assumed that the owner of the same IP address is the same respondent at the time of response, and multiple responses with the same IP address 1 along with the considered the only one of the answers and effective, Cookie was set so as not to accept multiple answers using. [Study Subjects] The total number of study participants who responded was 200 (105 men , 95 women). Gender information was obtained by providing a gender selection field on the web page with radio buttons at the time of response and having the user select and input. [Investigation period] survey period is 2007 years 9 May 15 from day 10 May 09 of day 24 was days. [Stimulation Video] stimulation, Ar (argon) to simulate the molecular motion pattern of Java programs, Mitsuru Ikeuchi (2002) web of sites obtained from, as most clearly shows the molecular motion of each liquid and gas, Adjustments were made to represent the molecular motion at an absolute temperature of 20 degrees (liquid) and 300 degrees (gas) , respectively. Gas program displayed, the movie of the liquid each molecule motion capture on a personal computer, each 30 of seconds windowsmediavideo processed into the form of movies, web and can be reproduced from the study participants' computers on the site. Figure 1 shows the still images of each movie . [Question item] For each of the above movies, "This is a fast-forward playback of people's movements. Each grain represents an individual person. Please rate it on a five- point scale. " There were five stages from "I do not feel (0) " to "I feel very much (4) " . [Procedure] each movie is, at a time 1 one by one, the order presented in the random, and so as to answer to every movie. Because it is difficult to answer only while watching the movie actually moving, each movie is made to flow endlessly during the answer. As a briefing of the experimental operation, when the answer was completed, a note was written on the screen saying, "This was actually a simulation movie of gas and liquid molecular motion." Result The average value and standard deviation of the evaluation values of the degree to which the gas and liquid molecular movement patterns were felt as if they were humans are as shown in Table 1 . In order to see the difference in the degree to which the movie seemed to flourish according to the type of movie shown, a t- test (both sides) of the difference in the average value of the correspondence was performed (n = 200) . Table 2 shows the results . Regarding which gas or liquid feels more intense, the degree to which the liquid molecule motion pattern was perceived was significantly higher than the degree to which the gas molecule motion pattern was perceived to be more intense ($t(199) = 8.95$, $p <.01$) . Consideration From the above results, it was found that when a person simulates the simulation of liquid molecule motion and observes it, the character is perceived as more attractive than the case of gas molecule motion. It is thought that the personality of a person who behaves similarly to the liquid molecular motion pattern seems to be more intense than the case of a person who behaves similarly to the gas molecular motion pattern. Chart

Figure.1 Gas and liquid molecular motion pattern
molecular motion simulation movie (shown by the research participants)

Gas molecular motion



Liquid molecular motion

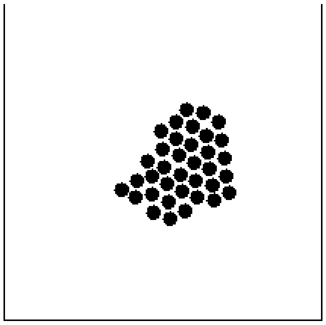


Table.1 Average value and standard deviation of evaluation value for gas and liquid molecular motion movie (in parentheses)

Stimulus type	Flourish
Liquid molecular motion	1.76 (1.46)
Gas molecular motion	0.69 (1.10)

n = 200

Table.2 Comparison of average value difference between conditions (corresponding)

Comparison	t test
Gas Flavor-Liquid Flavor	t (199) = 8.95 * *

** p <.01, * p <.05

Recognition of cute personalities

2012.07 First appearance

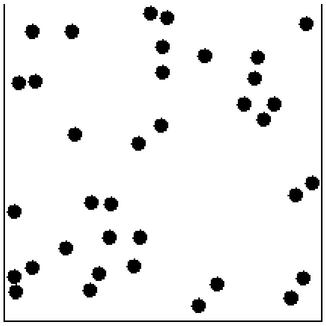
It explains in detail the relationship between cute personalities and gas and liquid molecular motion patterns. Cute personality and liquid molecular motion are correlated.

Abstract A web study was conducted to clarify the relationship between human perception of cute personalities and the dryness and wetness of the sensations of gaseous and liquid substances to humans . A gas-liquid molecular motion pattern was computer simulated 2 to one of the movie study participants 200 to show for the people, in each movie, asked to evaluate whether the movement of the particles are feeling pretty extent as interpersonal behavior of individual Was. As a result, it was found that the movement pattern of liquid molecules is more perceived as a movement of people than the movement of gas molecules. Issues We actually showed the participants a movie of simulation of the molecular motion of gas and liquid, and examined how much

the movement of each molecule felt cute when it was assumed to be the motion of a human. The method [data collection method] Internet web was collected answers site. In counting responses, in order to respond to the possibility that the same research participant will respond multiple times , it is assumed that the owner of the same IP address is the same respondent at the time of response, and multiple responses with the same IP address 1 along with the considered the only one of the answers and effective, Cookie was set so as not to accept multiple answers using. [Study Subjects] The total number of study participants who responded was 200 (105 men , 95 women). Gender information was obtained by providing a gender selection field on the web page with radio buttons at the time of response and having the user select and input. [Investigation period] survey period is 2007 years 9 May 15 from day 10 May 09 of day 24 was days. [Stimulation Video] stimulation, Ar (argon) to simulate the molecular motion pattern of Java programs, Mitsuru Ikeuchi (2002) web of sites obtained from, as most clearly shows the molecular motion of each liquid and gas, Adjustments were made to represent the molecular motion at an absolute temperature of 20 degrees (liquid) and 300 degrees (gas) , respectively. Gas program displayed, the movie of the liquid each molecule motion capture on a personal computer, each 30 of seconds windowsmediavideo processed into the form of movies, web and can be reproduced from the study participants' computers on the site. Figure 1 shows the still images of each movie . [Question item] Regarding each of the above movies, "This is a fast-forward playback of people's movements. Each grain represents a person. Each person feels pretty in this movie. Please evaluate it on a 5- point scale. " There were five stages from "I do not feel (0) " to "I feel very much (4) " . [Procedure] each movie is, at a time 1 one by one, the order presented in the random, and so as to answer to every movie. Because it is difficult to answer only while watching the movie actually moving, each movie is made to flow endlessly during the answer. As a briefing of the experimental operation, when the answer was completed, a note was written on the screen saying, "This was actually a simulation movie of gas and liquid molecular motion." Result The average value and standard deviation of the evaluation values of the degree to which the gas and liquid molecular movement patterns were perceived as cute by the personality are as shown in Table 1 . In order to see the difference in the degree of cuteness for each type of movie shown, a t- test (two-sided) was performed on the difference between the average values of the corresponding movies (n = 200) . Table 2 shows the results . Regarding which of the gas and the liquid was more cute, the degree of cuteness of the liquid molecule motion pattern was significantly higher than the degree of cuteness of the gas molecule motion pattern (t (199) = 2.14 , p < .05) . Consideration From the above results, it was found that when a person simulates liquid molecule motion and observes it, the character is perceived as having a more cute character than in the case of gas molecule motion. It is thought that the personality of a person who behaves similarly to the liquid molecular motion pattern seems to be more cute than that of a person who behaves similarly to the gas molecular motion pattern. Chart

Figure.1 Gas and liquid molecular motion pattern
molecular motion simulation movie (shown by the research participants)

Gas molecular motion



Liquid molecular motion

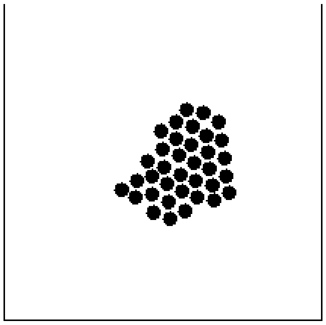


Table.1 Average value and standard deviation of cute evaluation values for gas and liquid molecular motion movies (in parentheses)

Stimulus type	Cute
Liquid molecular motion	0.85 (1.22)
Gas molecular motion	0.66 (1.08)

n = 200

Table.2 Comparison of average value difference between conditions (corresponding)

Comparison	t test
Gas cute-liquid cute	t (199) = 2.14 *

** p <.01, * p <.05

Recognition of personalities who like exploration

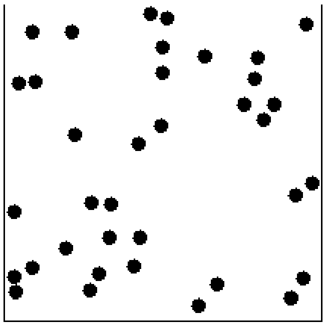
2012.07 First appearance

Learn more about the relationship between exploring personalities and gas and liquid molecular motion patterns. Exploratory personalities correlate with gas molecule motion.

Abstract A web study was conducted to determine the relationship between human perceptions of exploring personalities and the dryness and wetness of the sensations of materials and liquids to humans . A gas-liquid molecular motion pattern was computer simulated 2 to one of the movie study participants 200 to show for the people, in each movie, evaluate whether feels like the movement of the particles prefer how much exploration as interpersonal behavior of individual I was asked to. As a result, it was found that the gas molecule motion pattern seemed to prefer exploration as the motion of people more than the liquid molecule motion. Problem We actually showed the participants a simulation movie of the molecular motion of gas and liquid, and decided how much they would prefer exploration when the motion of each molecule was regarded as a human motion. The method [data collection method] Internet web was collected answers site. In counting responses, in order to respond to the possibility that the same research participant will respond multiple times , it is assumed that the owner of the same IP address is the same respondent at the time of response, and multiple responses with the same IP address 1 along with the considered the only one of the answers and effective, Cookie was set so as not to accept multiple answers using. [Study Subjects] The total number of study participants who responded was 200 (105 men , 95 women). Gender information was obtained by providing a gender selection field on the web page with radio buttons at the time of response and having the user select and input. [Investigation period] survey period is 2007 years 9 May 15 from day 10 May 09 of day 24 was days. [Stimulation Video] stimulation, Ar (argon) to simulate the molecular motion pattern of Java programs, Mitsuru Ikeuchi (2002) web of sites obtained from, as most clearly shows the molecular motion of each liquid and gas, Adjustments were made to represent the molecular motion at an absolute temperature of 20 degrees (liquid) and 300 degrees (gas) , respectively. Gas program displayed, the movie of the liquid each molecule motion capture on a personal computer, each 30 of seconds windowsmediavideo processed into the form of movies, web and can be reproduced from the study participants' computers on the site. Figure 1 shows the still images of each movie . [Question item] Regarding each of the above movies, "This is a fast-forward playback of people's movements. Each grain represents an individual person. Please rate it on a five- point scale if it feels right . " There were five stages from "I do not feel (0) " to "I feel very much (4) " . [Procedure] each movie is, at a time 1 one by one, the order presented in the random, and so as to answer to every movie. Because it is difficult to answer only while watching the movie actually moving, each movie is made to flow endlessly during the answer. As a briefing of the experimental operation, when the answer was completed, a note was written on the screen saying, "This was actually a simulation movie of gas and liquid molecular motion." Result The average value and standard deviation of the evaluation values of the degree to which the gas and liquid molecular movement patterns seemed to favor exploration as a personality are as shown in Table 1 . In order to see the difference in the degree of preference for exploration for each type of movie shown, we performed a t- test (two-sided) on the difference between the corresponding average values (n = 200) . Table 2 shows the results . Regarding which of the gas and the liquid would prefer exploration, the degree of preference for exploring the gas molecular motion pattern was significantly higher than the degree of preference for exploring the liquid molecular motion pattern (t (199) = 13.58 , p <.01) . Consideration From the above results, it was found that when a person simulates the simulation of gas molecule motion and observes it, he is perceived as having a preference for exploration more than the case of liquid molecule motion. It seems that the personality of a person who behaves like the gas molecular motion pattern seems to prefer exploration more than the person who behaves like the liquid molecular motion pattern. Chart

Figure.1 Gas and liquid molecular motion pattern
molecular motion simulation movie (shown by the research participants)

Gas molecular motion



Liquid molecular motion

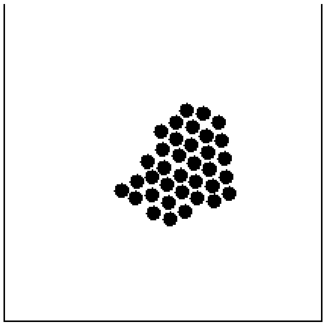


Table.1 Average value and standard deviation (in parentheses) of evaluation values for exploring gas and liquid molecular motion movies

Stimulus type	Prefer exploration
Liquid molecular motion	0.53 (0.98)
Gas molecular motion	2.14 (1.47)

n = 200

Table.2 Comparison of average value difference between conditions (corresponding)

Comparison	

	t test
Preference for gas exploration-Preference for liquid exploration	t (199) = 13.58 * *

** p <.01, * p <.05

Recognition of personality with autonomy

2012.07 First appearance

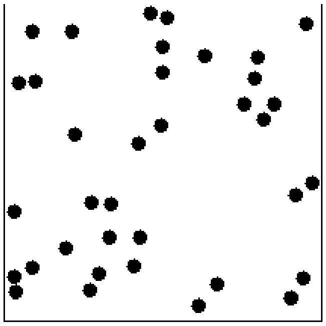
It describes in detail the relationship between autonomous personalities and gas and liquid molecular motion patterns. Independent personality and gas molecular motion are correlated.

Abstract A web study was conducted to clarify the relationship between human perceptions of autonomous personalities and the dry and wet sensations of gas and liquid to humans . A gas-liquid molecular motion pattern was computer simulated 2 to one of the movie study participants 200 to show respect to people, whether in each movie, it feels like there is a degree of autonomy as interpersonal behavior of the movement of the particles is personal Was evaluated. As a result, it was found that the gas molecule motion pattern seems to be more independent as people's motion than the liquid molecule motion. Problem We actually showed the participants a movie of simulation of gas and liquid molecular motions, and examined how much independence would be felt when the motion of each molecule was regarded as a human motion. The method [data collection method] Internet web was collected answers site. In counting responses, in order to respond to the possibility that the same research participant will respond multiple times , it is assumed that the owner of the same IP address is the same respondent at the time of response, and multiple responses with the same IP address 1 along with the considered the only one of the answers and effective, Cookie was set so as not to accept multiple answers using. [Study Subjects] The total number of study participants who responded was 200 (105 men , 95 women). Gender information was obtained by providing a gender selection field on the web page with radio buttons at the time of response and having the user select and input. [Investigation period] survey period is 2007 years 9 May 15 from day 10 May 09 of day 24 was

days. [Stimulation Video] stimulation, Ar (argon) to simulate the molecular motion pattern of Java programs, Mitsuru Ikeuchi (2002) web of sites obtained from, as most clearly shows the molecular motion of each liquid and gas, Adjustments were made to represent the molecular motion at an absolute temperature of 20 degrees (liquid) and 300 degrees (gas) , respectively. Gas program displayed, the movie of the liquid each molecule motion capture on a personal computer, each 30 of seconds windowsmediavideo processed into the form of movies, web and can be reproduced from the study participants' computers on the site. Figure 1 shows the still images of each movie . [Question items] For each of the above movies, "This is a fast-forward playback of people's movements. Each grain represents an individual person. Please rate it on a scale of 5 to see how it feels like it is . " There were five stages from "I do not feel (0) " to "I feel very much (4) " . [Procedure] each movie is, at a time 1 one by one, the order presented in the random, and so as to answer to every movie. Because it is difficult to answer only while watching the movie actually moving, each movie is made to flow endlessly during the answer. As a briefing of the experimental operation, when the answer was completed, a note was written on the screen saying, "This was actually a simulation movie of gas and liquid molecular motion." Result The average value and standard deviation of the evaluation values of the degree to which the gas and liquid molecular movement patterns were felt to be autonomous as the personality are as shown in Table 1 . In order to see the difference in the degree of independence for each type of movie shown, a t- test (two-sided) was performed on the difference between the corresponding average values (n = 200) . Table 2 shows the results . Regarding which of gas and liquid felt more autonomous, the degree of independence of the gas molecule motion pattern was significantly higher than that of the liquid molecule motion pattern. (t (199) = 14.06 , p <.01) . Discussion From the above results, it was found that when a person simulated the motion of a gas molecule and observed it by a person, the character was perceived to be more independent than in the case of the liquid molecule motion. It seems that the personality of a person who behaves similarly to the gas molecular motion pattern seems to be more independent than the person who behaves like the liquid molecular motion pattern. Chart

Figure.1 Gas and liquid molecular motion pattern
molecular motion simulation movie (shown by the research participants)

Gas molecular motion



Liquid molecular motion

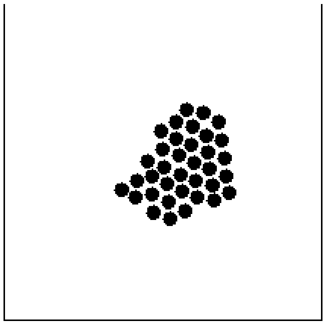


Table.1 Average value and standard deviation (in parentheses) of evaluation values with autonomy to gas and liquid molecular motion movies

Stimulus type	Have autonomy
Liquid molecular motion	0.49 (0.96)
Gas molecular motion	2.00 (1.45)

n = 200

Table.2 Comparison of average value difference between conditions (corresponding)

Comparison	t test
Has gas autonomy-has liquid autonomy	t (199) = 14.06 * *

** p <.01, * p <.05

Recognition of merit-based personalities that emphasize individual abilities

2012.07 First appearance

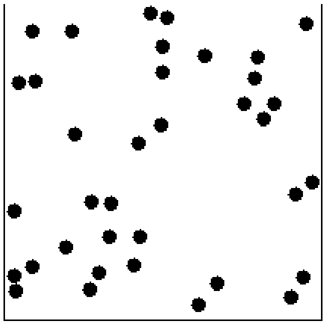
He explains in detail the relationship between merit-based personalities, which emphasize individual abilities, and gas and liquid molecular motion patterns. There is a correlation between mechanistic personality, which emphasizes individual abilities, and gas molecular motion.

Abstract A web study was conducted to clarify the relationship between human perception of meritocracy personality, which emphasizes individual abilities, and the dryness and wetness of the sensation of gas and liquid to human beings . A gas-liquid molecular motion pattern was computer simulated 2 to one of the movie study participants 200 to show for the people, in each movie, feel like the movement of the particles is to focus on how much an individual's ability as interpersonal behavior of individual Was evaluated. As a result, it was found that the gas molecule movement pattern seems to emphasize the individual's ability as the movement of people more than the liquid molecule movement. Problem We actually showed the participants a movie of simulation of molecular motions of gas and liquid, and examined how much each individual's ability felt to be important when the motion of each molecule was regarded as a human motion. The method [data collection method] Internet web was collected answers site. In counting responses, in order to respond to the possibility that the same research participant will respond multiple times , it is assumed that the owner of the same IP address is the same respondent at the time of response, and multiple responses with the same IP address 1 along with the considered the only one of the answers and effective, Cookie was set so as not to accept multiple answers using. [Study Subjects] The total number of study participants who responded was 200 (105 men , 95 women). Gender information was obtained by providing a gender selection field on the web page with radio buttons at the time of response and having the user select and input. [Investigation period] survey

period is 2007 years 9 May 15 from day 10 May 09 of day 24 was days. [Stimulation Video] stimulation, Ar (argon) to simulate the molecular motion pattern of Java programs, Mitsuru Ikeuchi (2002) web of sites obtained from, as most clearly shows the molecular motion of each liquid and gas, Adjustments were made to represent the molecular motion at an absolute temperature of 20 degrees (liquid) and 300 degrees (gas) , respectively. Gas program displayed, the movie of the liquid each molecule motion capture on a personal computer, each 30 of seconds windowsmediavideo processed into the form of movies, web and can be reproduced from the study participants' computers on the site. Figure 1 shows the still images of each movie . [Question item] For each of the above movies, "This is a fast-forward playback of people's movements. Each grain represents a person. Each person has a personality in this movie. Please give us a 5- point scale to see if it feels like you value it . " There were five stages from "I do not feel (0) " to "I feel very much (4) " . [Procedure] each movie is, at a time 1 one by one, the order presented in the random, and so as to answer to every movie. Because it is difficult to answer only while watching the movie actually moving, each movie is made to flow endlessly during the answer. As a briefing of the experimental operation, when the answer was completed, a note was written on the screen saying, "This was actually a simulation movie of gas and liquid molecular motion." Results The average value and standard deviation of the evaluation values of the degree to which the gas and liquid molecular movement patterns were felt to emphasize individual abilities as personality are shown in Table 1 . In order to see the difference in the degree of emphasis placed on individual abilities for each type of movie shown, a t- test (two-sided) of the difference in the average value of the correspondence was performed (n = 200) . Table 2 shows the results . Regarding which of gas and liquid is more important to the individual's ability, the degree to which the gas molecule movement pattern is more important to the individual's ability is more significant than the degree to which the liquid molecular movement pattern is more important to the individual's ability. It was higher in the (T (199) = 12.31 , the p-<.01) . From the above results, it was found that when a person simulates the simulation of gas molecule motion and observes it, the character is perceived as a meritocracy that emphasizes individual abilities more than the case of liquid molecule motion. It seems that the personality of a person who behaves similarly to the gas molecular movement pattern seems to place more emphasis on the ability of the individual than the case of a person who behaves similarly to the liquid molecular movement pattern. Chart

Figure.1 Gas and liquid molecular motion pattern
molecular motion simulation movie (shown by the research participants)

Gas molecular motion



Liquid molecular motion

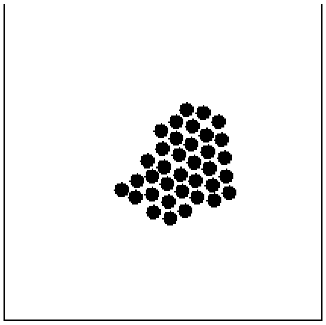


Table.1 Average value and standard deviation (in parentheses) of the evaluation value that emphasizes the individual's ability to move gas and liquid molecular motion movies

Stimulus type	Focus on individual abilities
Liquid molecular motion	0.48 (0.91)
Gas molecular motion	1.84 (1.46)

n = 200

Table.2 Comparison of average value difference between conditions (corresponding)

Comparison	t test
Emphasizing the ability of gaseous individuals-emphasizing the ability of liquid individuals	t (199) = 12.31 * *

** p <.01, * p <.05

Recognition of personality

2012.07 First appearance

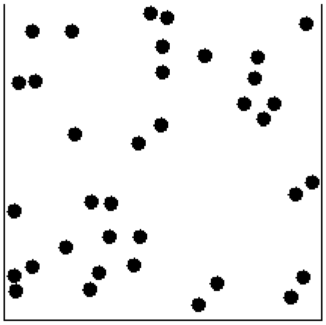
Explains in detail the relationship between individual personalities and gas and liquid molecular motion patterns. Individual personality and gas molecular motion are correlated.

wrap up

A web study was conducted to clarify the relationship between human perception of personality and the dryness and wetness of the sensation of gas and liquid to humans . A gas-liquid molecular motion pattern was computer simulated 2 to one of the movie study participants 200 to show for the people, in each movie, to evaluate whether the movement of the particles can feel how much personality as a interpersonal behavior of individual I got it. As a result, it was found that the movement pattern of gas molecules is more individualized as the movement of people than the movement of liquid molecules. Problem We actually showed the participants a movie of simulation of molecular motion of gas and liquid, and examined how much each individual feels when we consider the motion of each molecule to be human motion. The method [data collection method] Internet web was collected answers site. In counting responses, in order to respond to the possibility that the same research participant will respond multiple times , it is assumed that the owner of the same IP address is the same respondent at the time of response, and multiple responses with the same IP address 1 along with the considered the only one of the answers and effective, Cookie was set so as not to accept multiple answers using. [Study Subjects] The total number of study participants who responded was 200 (105 men , 95 women). Gender information was obtained by providing a gender selection field on the web page with radio buttons at the time of response and having the user select and input. [Investigation period] survey period is 2007 years 9 May 15 from day 10 May 09 of day 24 was days. [Stimulation Video] stimulation, Ar (argon) to simulate the molecular motion pattern of Java programs, Mitsuru Ikeuchi (2002) web of sites obtained from, as most clearly shows the molecular motion of each liquid and gas, Adjustments were made to represent the molecular motion at an absolute temperature of 20 degrees (liquid) and 300 degrees (gas) , respectively. Gas program displayed, the movie of the liquid each molecule motion capture on a personal computer, each 30 of seconds windowsmediavideo processed into the form of movies, web and can be reproduced from the study participants' computers on the site. Figure 1 shows the still images of each movie . [Question item] For each of the above movies, "This is a fast-forward playback of people's movements. Each grain represents an individual person. Please rate it on a five- point scale. " There were five stages from "I do not feel (0) " to "I feel very much (4) " . [Procedure] each movie is, at a time 1 one by one, the order presented in the random, and so as to answer to every movie. Because it is difficult to answer only while watching the movie actually moving, each movie is made to flow endlessly during the answer. As a briefing of the experimental operation, when the answer was completed, a note was written on the screen saying, "This was actually a simulation movie of gas and liquid molecular motion." Result The average value and standard deviation of the evaluation values of the degree to which the gas and liquid molecular motion patterns were individually felt as human characteristics are as shown in Table 1 . In order to see the difference in the degree of individuality felt for each type of movie shown, a t- test (both sides) of the difference in the average value of the correspondence was performed (n = 200) . Table 2 shows the results . Regarding which of gas and liquid is more individual, the degree of individuality of the gas molecule motion pattern was significantly higher than that of the liquid molecule motion pattern (t (199) = 13.23 , p <.01) . Consideration From the above results, it was found that when a person simulates the simulation of gas molecule motion and observes it, it is perceived as a more individual character than in the case of liquid molecule motion. It is thought that the personality of a person who behaves similarly to the gas molecular motion pattern is felt more individual than the case of a person who behaves like the liquid molecular motion pattern. Chart

Figure.1 Gas and liquid molecular motion pattern
molecular motion simulation movie (shown by the research participants)

Gas molecular motion



Liquid molecular motion

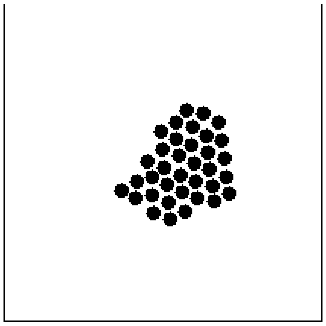


Table.1 Average and standard deviation of individual evaluation values for gas and liquid molecular motion movies (in parentheses)

Stimulus type	Individual
Liquid molecular motion	0.46 (1.01)
Gas molecular motion	2.12 (1.52)

n = 200

Table.2 Comparison of average value difference between conditions (corresponding)

Comparison	t test
Gas Individuality-Liquid Individuality	t (199) = 13.23 * *

** p <.01, * p <.05

Recognition of mobile personality

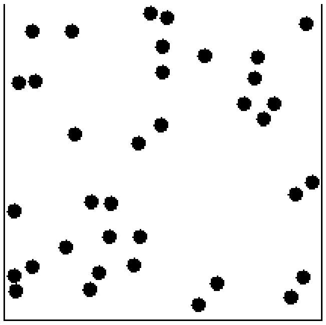
2012.07 First appearance

The relationship between mobile personalities and gas and liquid molecular motion patterns is explained in detail. Mobility personality and gas molecular motion are correlated.

Abstract A web study was conducted to clarify the relationship between human perception of mobile personality and the dryness and wetness of human perception of gaseous and liquid substances . A gas-liquid molecular motion pattern was computer simulated 2 to one of the movie study participants 200 to show respect to people, whether in each movie, feels like there is a degree of mobility as interpersonal behavior of the movement of the particles is personal Was evaluated. As a result, it was found that the gas molecule motion pattern seems to be more mobile as people's motion than the liquid molecule motion. Issues We actually showed the participants a movie of simulation of the molecular motion of gas and liquid, and examined how much mobility they felt when each molecule was regarded as a human motion. The method [data collection method] Internet web was collected answers site. In counting responses, in order to respond to the possibility that the same research participant will respond multiple times , it is assumed that the owner of the same IP address is the same respondent at the time of response, and multiple responses with the same IP address 1 along with the considered the only one of the answers and effective, Cookie was set so as not to accept multiple answers using. [Study Subjects] The total number of study participants who responded was 200 (105 men , 95 women). Gender information was obtained by providing a gender selection field on the web page with radio buttons at the time of response and having the user select and input. [Investigation period] survey period is 2007 years 9 May 15 from day 10 May 09 of day 24 was days. [Stimulation Video] stimulation, Ar (argon) to simulate the molecular motion pattern of Java programs, Mitsuru Ikeuchi (2002) web of sites obtained from, as most clearly shows the molecular motion of each liquid and gas, Adjustments were made to represent the molecular motion at an absolute temperature of 20 degrees (liquid) and 300 degrees (gas) , respectively. Gas program displayed, the movie of the liquid each molecule motion capture on a personal computer, each 30 of seconds windowsmediavideo processed into the form of movies, web and can be reproduced from the study participants' computers on the site. Figure 1 shows the still images of each movie . [Question item] For each of the above movies, "This is a fast-forward playback of people's movements. Each grain represents a person. Each person in this movie shows how mobile they are. Please rate it on a scale of 5 to see how it feels like it is . " There were five stages from "I do not feel (0) " to "I feel very much (4) " . [Procedure] each movie is, at a time 1 one by one, the order presented in the random, and so as to answer to every movie. Because it is difficult to answer only while watching the movie actually moving, each movie is made to flow endlessly during the answer. As a briefing of the experimental operation, when the answer was completed, a note was written on the screen saying, "This was actually a simulation movie of gas and liquid molecular motion." Results The average value and standard deviation of the evaluation values of the degree to which the gas and liquid molecular movement patterns were perceived to be mobile as personality are as shown in Table 1 . A t- test (two-sided) was performed on the difference in the average value of the correspondence (n = 200) in order to see the difference in the degree of mobility felt by the type of movie shown . Table 2 shows the results . Regarding which of gas and liquid was felt to be more mobile, the degree of perceived mobility of gas molecule movement pattern was significantly higher than the degree of perception of mobility of liquid molecule movement pattern. (t (199) = 14.77 , p <.01) . Discussion From the above results, it was found that when a person simulates the simulation of gas molecule motion and observes it, the character is perceived to be more mobile than the case of liquid molecule motion. It seems that the personality of a person who behaves like the gas molecular motion pattern seems to be more agile than the person who behaves like the liquid molecular motion pattern. Chart

Figure.1 Gas and liquid molecular motion pattern
molecular motion simulation movie (shown by the research participants)

Gas molecular motion



Liquid molecular motion

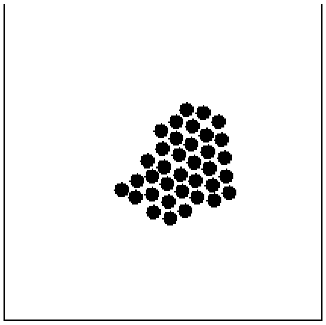


Table.1 Average value and standard deviation of mobility values for gas and liquid molecular motion movies

Stimulus type	Agile
Liquid molecular motion	0.66 (0.97)
Gas molecular motion	2.32 (1.39)

n = 200

Table.2 Comparison of average value difference between conditions (corresponding)

Comparison	t test
Gas mobility-liquid mobility	t (199) = 14.77 * *

** p <.01, * p <.05

Recognition of urban and rural personalities

2012.07 First appearance

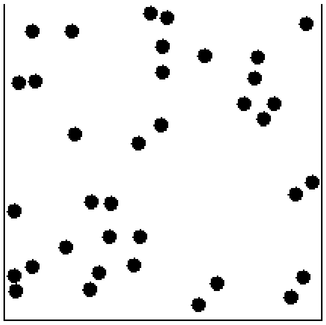
Learn more about the relationship between urban and rural personalities and gas and liquid molecular motion patterns. Urban personality and gas molecular motion correlate with rural personality and liquid molecular motion.

Abstract A web study was conducted to clarify the relationship between urban and rural human perceptions of personality and the dryness and wetness of the sensations of humans as gasses and liquids . A gas-liquid molecular motion pattern was computer simulated 2 to one of the movie study participants 200 to show for the people, in each movie, or the movement of the particles is how much urban as interpersonal behavior of the individual, feels rural manner Was evaluated. As a result, it was found that the gas molecular movement pattern was urban and the liquid molecular movement pattern was rural. Issues
We actually showed the participants a movie of simulation of gas and liquid molecular motions, and decided how much they felt urban and rural, respectively, if the motion of each molecule was regarded as a human motion. The method [data collection method] Internet web was collected answers site. In counting responses, in order to respond to the possibility that the same research participant will respond multiple times , it is assumed that the owner of the same IP address is the same respondent at the time of response, and multiple responses with the same IP address 1 along with the considered the only one of the answers and effective, Cookie was set so as not to accept multiple answers using. [Study Subjects] The total number of study participants who responded was 200 (105 men , 95 women). Gender information was obtained by providing a gender selection field on the web page with radio

buttons at the time of response and having the user select and input. [Investigation period] survey period is 2007 years 9 May 15 from day 10 May 09 of day 24 was days. [Stimulation Video] stimulation, Ar (argon) to simulate the molecular motion pattern of Java programs, Mitsuru Ikeuchi (2002) web of sites obtained from, as most clearly shows the molecular motion of each liquid and gas, Adjustments were made to represent the molecular motion at an absolute temperature of 20 degrees (liquid) and 300 degrees (gas) , respectively. Gas program displayed, the movie of the liquid each molecule motion capture on a personal computer, each 30 of seconds windowsmediavideo processed into the form of movies, web and can be reproduced from the study participants' computers on the site. Figure 1 shows the still images of each movie . [Question item] Regarding each of the above movies, "This is a fast-forward playback of people's movements. Each grain represents an individual person. Please rate it on a 5- point scale if it feels like a rural area. " There were five stages from "I do not feel (0) " to "I feel very much (4) " . [Procedure] each movie is, at a time 1 one by one, the order presented in the random, and so as to answer to every movie. Because it is difficult to answer only while watching the movie actually moving, each movie is made to flow endlessly during the answer. As a briefing of the experimental operation, when the answer was completed, a note was written on the screen saying, "This was actually a simulation movie of gas and liquid molecular motion." Results The average value and standard deviation of the evaluation values of the degree to which the gas and liquid molecular movement patterns were perceived as urban and rural, respectively, as human characteristics are shown in Table 1 . In order to see the difference in the degree of urban and rural feeling for each type of movie shown, we performed a t- test (two-sided) for the difference in the average value of the corresponding (n = 200) . Table 2 shows the results . When looking at the molecular motion of the liquid, the degree of perceived as urban and rural was significantly higher in the degree of perceived as rural than in the perceived disparity (t (199) = 2.40 , p <.05) . When looking at the molecular motion of gas, the degree of urban / rural perception was significantly higher than the degree of urban perception (t (199) = 13.64 , p <.01) . Regarding which of gas and liquid felt more urban, the degree of perceived gas molecule motion pattern as urban was significantly higher than the degree of perceived liquid molecule motion pattern as urban (t (199) = 5.87 , p <.01) . Regarding which of gas and liquid feel more rural, the degree of rural movement of liquid molecule movement pattern was significantly higher than the degree of rural movement of gas molecular movement pattern (t (199) = 10.14 , p <.01) . Consideration From the above results, it was found that when one observes the simulation of gas molecule motion as a human, it is perceived as an urban character, while liquid molecular motion is perceived as a rural character. It is thought that the personality of a person who behaves in the same way as the gas molecular movement pattern seems to be urban, while the person who behaves in the same way as the liquid molecular movement pattern seems to be rural. Chart

Figure.1 Gas and liquid molecular motion pattern
molecular motion simulation movie (shown by the research participants)

Gas molecular motion



Liquid molecular motion

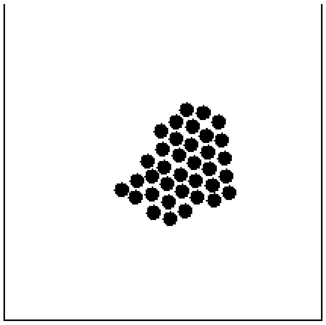


Table.1 Average and standard deviation of urban and rural evaluation values for gas and liquid molecular motion movies (in parentheses)

Stimulus type	Urban	Rural
Liquid molecular motion	1.42 (1.45)	1.73 (1.47)
Gas molecular motion	2.21 (1.47)	0.5 (0.93)

n = 200

Table.2 Comparison of average value difference between conditions (corresponding)

Comparison	t test
Liquid rural-liquid urban	t (199) = 2.40 *
Gas-urban-gas-rural	t (199) = 13.64 **
Gas City-Liquid City	t (199) = 5.87 * *
Liquid rural-gas rural	t (199) = 10.14 **

** p <.01, * p <.05

Parliament and parliamentary operations and liquid and gaseous actions

2008.04 First appearance

The way the Japanese parliament and parliament are managed is considered to be liquid, and is summarized in a tabular form in comparison with the traditional Western gas management.

Type of Congress in the world, virtually, gas, a liquid basis 2 is one global standards exist.

2 or one of the global standard is going on an overview in tabular form below.

Until now, the liquidity of the parliament and parliament has not been well studied. It is because the nations of liquid behavior are trying to introduce the way of operating parliament and parliament in the countries of gas behavior (Europe and the United States), which have been dominant in the international community, and unconsciously setting their own type. For they have been suppressed.

However, in that case, the parliament and the Diet are easy to spin in addition to anything, and the meaning of existence is weak at present.

Therefore, he clarified the actual state of the parliament and parliament suited to the countries of liquid behavior, and clarified the points for improving the parliamentary system so that the parliament can be operated more smoothly.

A liquid behavior society fits with a liquid behavior parliament or parliament. A society of gaseous behavior is suited to the operation of parliament and parliament of gaseous behavior.

Classification	Liquid behavior	Gaseous behavior
	Women, maternity-led	Male, paternal led
	Farmer	Nomads and pastoralists
	Japan, China, Russia	North America, Western Europe
1	Integrity of oneness importance of	Dispersible diversity -oriented
	Individuals are united, fused, and dissolved as if they were included in their mothers, and strongly united in one. Think of Parliament as a place for united, united, partisan, faction-based action and decision-making.	Congress views it as a collection of independent and free individual decision-making. Only those who happened to agree on the agenda were temporarily together.
	Aims at achieving and maintaining unity, a state of being contained as a whole.	They aim to maintain their individual and dispersed state. Tolerate group breaks.

	Avoid breaking the group. Hope that the whole will be united, united and united. Try to resolve objections as much as possible, and if not possible, suppress them.	They like to keep their own views. Accept the objection.
	Prefer unanimous, unanimous.	Prefer majority vote.
	[Smooth parliamentary administration] Tatsuya Tate and one-party despotism (do not disagree) are in line.	[Smooth parliamentary management] 2) Multi-party system (assuming the existence of objections) is in line.
Two	The hall is just a place for ceremony ceremony	The hall is a place for real discussions
	Thorough arrangements and informal appointments outside the parliament are required. The day of the assembly is just a ceremony to read out the manuscript content. Substantive opinion coordination is decided outside the floor.	Make real-time discussions and decisions on the spot.
	If there is a disagreement, postpone for the time being and adjust patiently outside the parliament until a consensus is reached. Meanwhile, Congress spins.	Even if there is no consensus, a decision is made immediately in the parliament.
	[For smooth operation of the parliament] A separate meeting place will be set up in the parliament, apart from the parliamentary floor, for coordinating opinions for discussion among members.	[For smooth operation of the parliament] The facilities of the parliament will be improved so that they can make decisions in real time.
Three	Emotion, emotion emotion move in	Logical logic running in
	The emphasis is on ensuring strong emotional unity, unity and unity within the faction and group within the group.	The faction believes that disjointed individuals have only come together temporarily and by means because of the need to

	Emotionally and emotionally hostile to other factions, demonstrating disgust, attacking or bullying (sleering, etc.). The emotional discomfort, lumps, and differences in the senses with the other person are considered first. As long as the emotional conflict persists, you will never agree or reconcile with the other person.	make collective decisions. Lack of emotional unity. Logically, intelligently and objectively confronts and attacks the opposite opinion. They logically calmly hunt down rival factions and try to beat and crush them.
	[Smooth parliamentary management] A separate intermediary is needed, which will bring about emotional reconciliation between opposing factions and factions.	[To run the proceedings smoothly] It is necessary to express a logically persuasive opinion as soon as possible so that the opponent cannot refute.
Four	Move by belonging network belonging	Creed moves with ideology ideology
	Focus on who owns the group, faction, or network you belong to. Being in an extra group, where the other person is different from themselves, causes a conflict with the other person. Even if their creeds are similar, if they do not agree with one another as human beings, they will become different groups and factions and will oppose each other.	Emphasize the differences in beliefs of each person. The fact that the partner has different beliefs, not the difference in the group to which the partner belongs, itself, causes the conflict. Being in a different party or group means different beliefs in the first place. Depending on the changes in beliefs, you can move from one group to another immediately.
	[Smooth proceedings management] First of all, not the members' creeds, but how they are connected.	
Five	Secretive, closed closed is	Open open is
	I prefer to keep discussions and meetings closed or outside of the parliamentary room (I like to talk at restaurants).	Prefer open discussions in the parliament.

	[Smooth operation of the proceedings] Provide a place in the parliament for secret talks (like a parliamentary restaurant).	

Summer and winter display and gas and liquid molecular motion

2009.11 First appearance

It is recommended that displays in offices and other rooms be gaseous and liquid according to the summer and winter seasons.

The summer display displays gas molecule motion in cool colors. A dry but refreshing feel is obtained.
Winter displays display liquid molecule motion in warm colors. A feeling of warmth together with a kotatsu is obtained.
If these displays are displayed in the store, sales may increase.

Liquid and sensory amplification

2009.11 First appearance

He describes that liquid has the effect of amplifying the sensation of heat, etc., compared to gas.

Since the liquid has a higher density distribution than the gas, the concentration of the sensation is increased, and the sensation such as coldness and warmth is easily amplified.

It feels cooler for liquids where blue particles collect than for gaseous ones where blue is scattered.

A liquid feels hotter than a gas at a temperature of 40 degrees.

Liquid, gaseous and temperature

2009.11 First appearance

Describes the sensory effects of multiplying liquid and gaseous degrees by temperature.

The liquid (integral) high temperature (red) represents the summer of the Pacific High and the humid summer of Japan.
Gaseous (disjointed) high temperatures (red) represent the dry heat of a desert during the day.

Liquid (one piece) and low temperature (light blue) means damp, cold and wet, rainy season cold and late autumn rain.
A gaseous (discrete) low temperature (light blue) indicates a cool and dry condition of the air conditioner with effective dehumidification.

Differences in properties between liquids

2009.11 First appearance

There are various types of the same liquid, and their properties are different.

Even with the same liquid, there are differences in dryness and wetness.

▯ Adhesive Sticky. Evaporate.
▯ Oil sticky. There is no moisture. Does not easily evaporate.
▯ Water Smooth and not very sticky (however, there are differences in the senses depending on the region, for example, it is felt sticky in Europe and the United States). There is moisture. Evaporate.
▯ Alcohol does not stick. Evaporates quickly. Does not get wet. It is a dry liquid.
▯ Glass does not stick. Does not easily evaporate. It is liquid in nature, but feels like a touch or solid.

Liquids and gases as social substances

2009.11 First appearance

Gas, liquid molecule 1 not determined the nature is only one, 2 says about being a first time property is determined social substance by looking at the relationship between one or more molecules.

Liquid, gas, molecular 1 alone or not determined its properties.
2 the relationship between one or more molecules (approaching each other liquid vs determined by leaving the gas that follows a parallel line).

Avoiding cracks and liquids

2009.11 First appearance

It states that liquid avoids cracking in its essence.

I hate splitting people who meet in the same place every day.
It is the nature of the liquid that dislikes breaking and trying to integrate with each other.

Gas / liquid, dry / wet and expanded, non-expandable

2009.11 First appearance

It explains from a social point of view that a dry gas does not expand spatially while a wet liquid does not.

When dry gas molecules are left alone, the volume expands and diffuses, expands, and spreads in new directions in all directions. At that point, the gas is full of pioneering spirit to enter the new world first and foremost. On the other hand, the essence of dry gas is expansion, expansion and expansion, and it can be said that it spreads more and more like a preacher, and the entire area becomes its own colony. Dry gas molecules are global and universal = universal because they aim to spread all over the globe, all over the world. Dry gas molecules are individualistic and weak in unity as they expand apart. The nature of dry gas molecules is masculine and Western.

In contrast, a wet liquid has a constant volume and is non-expanding, non-expanding, and is currently maintained. If left alone, it will not spread from its original location. Try to maintain cohesion, territory, and unity, locally, locally, and locally. In a communal way, the molecules approach each other and tend to be small and cohesive in a way that minimizes surface area. Attempts to gather in a closed manner only with relatives. Molecules unite together to form unions and groups. The properties of wet liquid molecules are feminine and traditional Japanese. Since entering the modern era, Japan has followed the dry expansion route of the European and American styles, and has also tried to follow the expansion route itself. Despite the influence of Europe and the United States, the slight expansion of Japan and China is not due to wet women, but to the slight influence of dry men.

Gas and liquid molecular motion patterns and personality diagnosis results

First appearance in May 2014

The following people are likely to select gas molecular motion patterns that match their personality in personality diagnosis.

(1) A person who is truly gaseous and dry

(2) My personality is really liquid and wet, but I'm stressed by the wetness and daily life full of mutuality, I want more dry freedom, I'm really gaseous A person who wants to be free from everyday wetness and to enjoy freedom by recognizing that he is dry

(3) Someone who admires that their character is really liquid and wet, but gaseous and dry is more advanced and cool. Strong nationalities of Western countries are often gaseous and dry.

(4) Persons with poor temperament and schizophrenia who are not good at interpersonal relationships and have a strong tendency to live apart from each other like gas molecules.

Individuals who select a liquid molecular motion pattern to match their personality in personality diagnosis may be:

(1) A person who is really liquid and wet
(2) I'm really gaseous and dry, but I'm stressed by the dryness, freedom and independence of my daily life where I'm forced to help myself. A person who wants to enjoy a sense of unity, being psychologically released from everyday dryness by recognizing that it is liquid and wet, as opposed to his original self
(3) Those who are really gaseous and dry in nature, but longing for countries with wet cultures such as Japan and China, who want to actively incorporate those cultures

Therefore, it should be noted that even if your personality is diagnosed as gaseous or liquid in your personality diagnosis, you are not necessarily the person who has the gaseous or liquid personality.

At first,

□ Do you think of yourself as a gas (dry) or liquid (wet) character?

After asking,

□ Are you exposed to gaseous (dry) or liquid (wet) winds (atmosphere) in your daily life?

□ How much stress do you feel in the wind?

□ How much do you want to be released from the stress?

□ Do you think gas (dry) or liquid (wet) is the more prestigious way of life in your daily life?

□ Do you think gas (dry) or liquid (wet) is a more advanced way of life in your daily life?

□ Do you find gas (dry) or liquid (wet) a more attractive lifestyle in your daily life?

- How much do you prefer to choose an authoritative lifestyle as your own?
- How much do you like to choose an advanced lifestyle as your own lifestyle?
- How much do you like to choose an attractive lifestyle as your own lifestyle?

• Do you really want to be gaseous (dry) or liquid (wet)? • Do you want to leave people poorly in social, depressed, gaseous and dry? □ How much do you think there is a gap between your personality and the character you want to be? After hearing around, once again, are you actually honest, gaseous (dry) or liquid (wet)? It would be better to ask them to confirm their intent.

Oriental and Western cultures and molecular movement patterns

First appearance in June 2014

Oriental cultures such as China, Korea, Japan, and Vietnam can be described by liquid molecular motion patterns. This is because emphasis is placed on mutual sense of unity, unity, and collective action. They can be said to be taking liquid action.

It can be said that western cultures such as North America, Western Europe, and Northern Europe can be represented by gas molecular motion patterns. This is because mutual emphasis is placed on freedom, independence, and individual behavior. They can be said to be acting gaseous.

(Material) Examination of "gas / liquid type behavior style" -molecular kinetic understanding of human behavior-

1992.05.24 Integrated gas / liquid version for the first time

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This is a hypothesis about the gas-liquid behavioral style that was first created around 1992.5 . At this stage, a basic hypothesis has been obtained. However, the content of the hypothesis and the classification method are very different from the current one. Please use it as a reference only.

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1. Introduction
1. The necessity of capturing human behavior at the physicochemical level
As the level to explain human behavior, in order from the basic one,
1 physicochemical level (movement of an object)
2 physiological / biological level (neural cells to animals, genetics)
3) Three human-specific levels (frontal lobe ...-culture and civilization)
can be considered. However, the behavioral sciences that deal with human behavior up to now
have only one human-specific level in sociology and social psychology (even animal experiments are rarely performed).
2 Even in psychology, it is at most the biological level (application of ethology, neuronal research found in physiological psychology). There are quite a few examples of applying physicochemical thinking as a metaphor to behavioral science.
Psychology and psychophysics (Weber-Fechner),

social psychology, group dynamics (Levin et al.), Sociometry (Moreno), sociology and social systems theory, and self-organization theory (Parsons et al.) . However, the approach to the most basic physicochemical level, which treats humans as physical entities (objects) rather than merely metaphors, and regards their actions as the movements of objects, has not been studied much.

Such a situation is like building a high-rise building without foundation work, and it is doubtful that it is an appropriate procedure for conducting research. Therefore, it is necessary to reconsider whether items that have been studied as higher-order human-specific levels (eg, interpersonal relations, ethnicity, etc.) cannot be explained at a more basic physicochemical level. is there.

2. Physicochemical understanding of human behavior through the introduction of a hyper-macro perspective From the very macroscopic perspective of the universe and the earth, individual humans can be regarded as extremely small as physicochemical molecules. it can.

However, to no human being as physical chemical entity that has been minimized to the molecular level, the behavior of the human population, for it can be taken in any form, is noticeable study has not been performed (the man The physico-chemical approach itself, which is considered to be minimized to the molecular level, is not the subject of social science in the first place). Whether the genetic or cultural behavior (ethnicity or social character) of a human or human population as a molecular physicochemical entity is directly related to the actual laws of molecular movement in physical chemistry. However , existing research remains unclear (applications of physics to the field of social psychology include the theory of collective mechanics by K. Levin et al., All of which remain at a metaphorical level). If we can prove that the genetic and cultural behavioral patterns of human beings are directly related to the laws of molecular motion , we will use the computer-based molecular motion simulation technology currently used in physical chemistry for humans (It can be applied to the research of a group as it is, leading to a dramatic improvement in the level of computer utilization in the social science field. In this paper, we show that (1) subjects that have been treated as sociology, psychology, and cultural anthropology, such as traditional ethnicity and social character, can be treated as physical kinematics in physical chemistry.

We show that the genetic and cultural behavior of humans or human populations as a bimolecular physicochemical entity globally obeys the laws of liquid-gas molecular motion with fluidity.

This shows that the application of physicochemical approaches and computer-based molecular simulation techniques to social sciences is directly possible (not just as a metaphor).

2. wrap up

(1) When viewed from a macro perspective, human behavior, including social and cultural behavior, follows the physicochemical liquid-gas molecular motion laws (regardless of whether or not they are aware). Strictly speaking, humans behave differently from physicochemical molecules in that they incorporate

sensory, association, and motor functions, but act globally as physicochemical entities.

(2) Genetically, the behavioral patterns of women and men correspond to the laws of liquid and gaseous molecular motion according to the degree of their biological preciousness.

(3) Culturally, the behavioral patterns (ethnicity) of agricultural (settlement / intensive) and nomadic (migration / exhaustive) societies according to the degree of liquid / gas superiority (wet / dry) of the natural environment to which they are adapted) Corresponds to liquid / gas molecular motion.
(The dry / humidity of cultural human behavior is positively correlated with the dry / humidity of the natural environment.)

(4) There is a mutual correspondence between the genetic behavior of women and men and the behavior of cultural (derived from the natural environment) agricultural and nomadic societies. From the viewpoint of adaptability to the natural environment, women are dominant in agricultural societies in a liquid-dominant (humid) environment, and men are dominant in a nomadic society in a gas-dominant (dry) environment.
3. Liquid / Gas Molecular Kinetics Human behavior has a constant flow of interaction. Therefore, when physicochemically grasping human behavior, the subject of comparison is the molecular motion of a fluid gas to a liquid (solids having no fluid are excluded from the subject of comparison). This section summarizes the basic properties of liquid and gaseous molecular motion.
First, the intermolecular force will be described, and then the principle of the molecular motion will be divided into a motion (Movement) dimension and a distribution (Distribution) dimension centered on the intermolecular force .
Next, for each item of the basic principle, a comparison of liquid / gas molecular motions is made based on the intermolecular force and arranged in a table. Some of the explanatory texts use anthropomorphic expressions of molecules or actively use concepts used in social sciences.
It aims to bridge the terminology between traditional physical chemistry and social sciences.

I Intermolecular Force
Each molecule has an "intermolecular force" (a mutually attracting force).
The degree to which the "intermolecular force" acts (the ease of attraction between multiple molecules) is determined by
(1) the "distance" between each molecule, and
(2) the "kinetic energy"
of each individual molecule that shakes off the mutual attraction. Negatively correlated.
The relationship between the motion of each molecule in the M motion dimension
and the "intermolecular force" will be summarized. Regarding the operating energy of each M1 molecule, each
fluid molecule has moderate to high kinetic energy. The operating energy of

each molecule is expressed as the product of
01 "mass"
02 "speed"
. The operating energy of each molecule is:
11 The size of the operation “scale”
21 The “activeness” of the operation (the degree of spontaneous movement)
31 The degree of “hit”
at the time of mutual contact and the degree of destructiveness 32 Vulnerability
33
Correlates positively with the energy to break down and reform the status
quo . The degree to which the "intermolecular force" acts is negatively correlated with the kinetic energy of each molecule.
Therefore, the above-mentioned index values of 01 to 31 are negatively correlated with the “intermolecular force”.
The method of determining the motion of each molecule of M2 is as
follows: For each molecule of M211,
01 “degree of freedom” (a degree that can be determined without being physically restricted by surrounding molecules)
02 “autonomy” (determined independently of the surroundings)
Degree of creativity) 03 It
is represented by the degree of originality (the degree to which one's own decision that is different from surrounding molecules can be made) . These values represent the degree to which each molecule can freely move around by shaking off its attractive force, or the degree to which it is not necessary to consider the influence of the surrounding individual attraction when deciding on an action. (Attraction between molecules).
The greater the intermolecular force, the greater the degree of each molecule's "run away from freedom" [E. Fromm]. For M212 molecules,
01 “interdependence” (the degree of mutual influence of the decision of the movement of other molecules)
02 “mutual traction system” (the movement of other molecules is regulated and restricted, fit "the degree)
03" uniformity degree "(the degree will not be able to individually move apart)
04" collective principle of "(the strength of the tendency to move in unison become a loaf in the mutual attraction)
05" (like) other "Direction of the person" (the tendency to make the motion target the same molecule as another molecule, the tendency to seek mutual "warmth")
"The degree of personification" (the degree to which non-similar inorganic substances are equivalent to others of the same type) 06 "Matching Degree " (degree of mutual
friendship and friendship) This value can be subdivided into the following 061 to 063. It also has a positive correlation with the degree of mutual fusion / integration of molecules (D22-11).
061 "degree of attraction confirmation" (degree of (actively) confirming that gravitation acts between each other)
062 "repulsion suppression degree" (suppresses the effect of repulsion

(repulsion) between each other (with surroundings)
063 “Attraction invalidation suppression degree” (between each other, move around freely (by disabling) by pulling off (surrounding) gravitational force, which does not allow the existence of movement in the opposite direction) the degree) to suppress the represented by. These values are negatively correlated with the "degree of freedom" of each molecular motion, and are therefore positively correlated with "intermolecular forces".
For M213 vs. surroundings,
01 “synchronization degree” (degree of seeking harmony in operation with surroundings)
02 “easiness of shame” [R.Benedict] (interested and monitored by other surrounding molecules) degree) feel that
around other molecules, if the degree to consider whether the feeling) about their own in the "Ease of care around the eyes" (mutual 03
in advance for the "need for consensus-building" 04 (their work together Degree of consent of the surroundings)
. These values indicate the degree to which the movement of each molecule is defined by the movements of other surrounding molecules, and are positively correlated with the intermolecular force.
It is negatively correlated with the “degree of freedom” of each molecular motion.
The motion direction (path) of each molecule of M22 is represented by
01 “constant degree”, “straightness degree”, and
02 “clarity” (the degree of distinction between black and white)
. These values are negatively correlated with intermolecular forces.
The motion direction is zigzag, hit, and fuzzy as the molecules attract each other , and the clarity decreases.
Therefore, the “target directivity” of the operation (the degree to which the operation proceeds in a straight line toward the target object) decreases.
M23-taking responsibility for the operation of each molecule itself,
01 "dispersion" (the degree to diffuse into between other molecules)
02 "joint degree" (take in collaboration with other molecules, the degree to which mutually have)
represented by . These values are positively correlated with intermolecular forces.
As the degree of mutual attraction increases, the degree to which each person's movement cannot be determined by only one molecule increases, and accordingly, the degree of individually taking responsibility for his own movement decreases.
Therefore, the degree of “collective irresponsibility” for the movement increases.

The distribution of
each molecule (group) in the D distribution dimension will be described focusing on the relationship with the intermolecular force. D11 mutual distance The fluid molecules maintain a moderate to large distance from each other.
The degree to which the attraction between molecules is effective, that is, the degree to which the "intermolecular force" acts, is negatively correlated with the

distance between the molecules.
For the distribution of each of the D21 molecules,
01 " individuality " (the degree to which each molecule is separated and independent from each other, "individual" degree) 11 "Objectiveness of the viewpoint" (the degree to see each other by pushing each other away, View non-myopia of the eye) 21 "size of the territory" (each molecule size of the space for yourself to ensure)
22 "size of the field of view" (wide-far of the field of view of each molecule to secure, outlook goodness) of
23, "privacy" (the degree of each molecule is not monitor their movement to the other party to each other)
the degree to which provided a screen to separate their own space from the surrounding between 24 "private room-oriented degree" (each molecule of mutual 31
) (Degree of exposure to the environment) (the degree to which each molecule is directly exposed to the external environment without the intervention of other molecules) . These values are positively correlated with the mutual distance between the molecules and therefore negatively correlated with the magnitude of the intermolecular force. Regarding the distribution between D22 molecules, 01 “Mutual proximity” (the degree to which each molecule tends to approach each other in distance) 11 “Fusion / integration directivity” (each molecule tries to fuse / integrate with each other)
(Degree) 12 "Degree of leaning" (Degree of leaning and leaning of each molecule to each other, "Direction of sweetness" [Doi])
13 "Degree of contact" (Duration of contact period / frequency / number of faces with other molecules) is, sticky argh mingle degree) these values, molecules are positively correlated with the degree mutually exert an attractive force on each other, thus positively correlated to the magnitude of the intermolecular force. The interaction between each molecule is positively correlated with the degree to which it becomes more "all personal" and "family". 21 "Territory obscurity" (the degree to which the boundaries between territories are blurred and obscured) This value is positively correlated with the degree of mutual integration of molecules (D22-11), and the magnitude of the intermolecular force Is positively correlated to
The degree of “interpersonality” [Hamaguchi] is positively correlated with this value. D23 Regarding the distribution at the molecular assembly level, 01 “dispersion” (spatial dispersion of the distribution region)
02 “scale” (spatial spread / scale of the distribution region)
These values are the magnitude of the mutual distance between molecules, Positively correlates with the difficulty of gravity.
Therefore, it is negatively correlated with the magnitude of the intermolecular force. 11 "Concentration / agglomeration degree" (the degree to which the distribution is gathered in one place)
12 "Continuity" (the degree to which the distribution is connected in an analog manner)
13 "(mutual) degree of protection" (the mutual opposition to the external environment degree) to prevent exposure by becoming

these values are small mutual distance between molecules is positively correlated to work ease of attraction.
Therefore, it is positively correlated with the magnitude of the intermolecular force.

21 "outlier tolerance" (tuning of lower degree molecule can exist of to the surroundings in the distribution plane)
(separation degree of independence with respect to the other part of each portion in the distribution) 22 "Decentralization of"
these values, the distribution (→ D23-01 section).
Therefore, it is negatively correlated with the magnitude of the intermolecular force. 31 "density" (degree of close contact with each other, degree of directing an overcrowded state)
32 "ground directivity" (degree of pointing downward spatially due to the effect of gravity, and ground directivity)
These values are: Positive correlation with distribution concentration / aggregation degree (→ D23-11)
Therefore, it is positively correlated with the magnitude of the intermolecular force.
MD Operation × distribution dimension
M. Operation and D. Items related to both distributions are summarized, focusing on the relationship with intermolecular forces. MD1 diffusibility
11 "Diffusion degree" (degree of diffusion of the distribution region of each molecule gradually)
12 "distribution frame unlimited degree" (distribution space is not limited, degree is not restricted by frame and type, degree of non-constant volume)
13 “Unknown area directivity” (the degree to which each molecule actively challenges and jumps out to an area where it has not yet been distributed)
14 “Originality” (something discovered / invented by entering the target area “first”)
15) “Different field directivity” (degree of going out to different areas and interacting with other molecules (groups)) These values are positively correlated with the magnitude of the operating energy and the magnitude of the mutual distance I do.
Therefore, it is negatively correlated with the magnitude of the intermolecular force.
The distribution is positively correlated with the degree of non- "sectionalism" and the degree of "non-octopus" (Maruyama). 21 "surface abundance" (degree of existence of surface / interface in distribution area)
22 "inside / outside distinction degree" (degree of making distinction / boundary between inside and outside of distribution area)
23 "neighborhood / group directivity" (The degree to which the interaction partner is limited to similar molecules in the region (to fellow whip))
These values indicate the degree to which each molecule collectively stops only by the interaction between molecules.
That is, the distribution area “diffusion degree” (MD1-11 to MD14) is low and positively correlated with the magnitude of the intermolecular force. 31 "Surface

tension" (the degree of energy that minimizes the surface area of the distribution region)
32 "Surface avoidance" (the tendency of each molecule to avoid coming out of the region surface and being directly exposed to the outside of the region)
33 " "Inward directivity" (the tendency of each molecule to enter the region)
34 "Exclusion" (degree of minimizing the window (region surface) to the outside)
35 "(inside) occlusion" (from inside to outside)
36 "Degree of cohesion " (36) "(External) degree of closure" (Degree of difficulty in entering from outside to inside)
These values are mutually affected by the intermolecular force. Shows the degree of resemblance between matching molecules and molecules that do not. It is positively correlated with the magnitude of the intermolecular force.
MD2 fluidity
11 "movement / fluidity" (degree of voluntary change in distribution space)
12 "scale of visual field" (degree of visual field expanding due to expansion of action range)
13 "diversity of visual field" (multiple
These values are positively correlated with the magnitude of the operating energy and the attraction of the molecules, which makes it difficult to apply the brake.
Therefore, it is negatively correlated with the magnitude of the intermolecular force. 21 "Settlement degree" ("vegetation" tendency to stop at almost the same position by applying the brakes of mutual attraction)
22 "Maintenance degree" (trend to stay at the current position unless "external pressure" is applied)
23 “Stock directivity” (the tendency of accumulating the trajectory of each molecule)
24 “Precedent effectiveness” (the tendency of the trajectory of each molecule to repeatedly trace the point where another molecule has previously passed)
These values are expressed as “fluidity”. And inversely correlates with the magnitude of the intermolecular force.

C. Comparison of liquid and gas molecular motions Based on the above explanation of the principle and law, the molecular motions of liquid and gas are compared with each other. Liquid and gas molecules each have fluidity and kinetic energy.
Assuming that the degree of “kinetic energy” is equal to the mass per molecule, the
operating speed is much higher for gas molecules than for liquid molecules. The degree to which the "intermolecular force" acts (the degree of attraction between molecules) is as follows: 1) The distance between each molecule is far greater in a gas than in a liquid.
2 The kinetic energy of each molecule is a gas. Is much larger than liquid,
so liquid molecules are much larger than gas molecules. Therefore, regarding the above explanation of the principle and law,
the motion of one liquid molecule (group) conforms to an item that is positively correlated with the magnitude of the intermolecular force.

The motion of the two gas molecules (population) fits an item that is negatively correlated with the magnitude of the intermolecular force. Table 1, each item of the above principle and rule description,
a positive correlation and negative correlation between 1 intermolecular force
calibration and incompatibility with 2 liquid molecular motion
calibration and incompatibility with 3 gas molecular motion
and It is a summary of the relationship.
The following is an example showing that the principles and rules correspond to actual liquid and gas molecular motions. In order
to nullify the intermolecular force in the liquid and the intermolecular force in the liquid, that is, to convert the liquid into a gas, it is necessary to supply a huge amount of energy from the outside. The M motion dimension
, the constant motion direction, and the straightness are significantly larger for gas molecules than for liquid molecules. → M211-1. The D distribution dimension / density of distribution is much higher for liquids (1000 times) than for gases. → D22-31.
The size (volume) of the area required by the same number of molecular populations is smaller in liquids.
If you put liquid water in a deflated balloon and put it in boiling water, it will expand rapidly as the water evaporates. → D23-01.
-As for the spatial distribution above and below, the gas floats upward, and the liquid falls downward. → D23-32. MD operation × distribution dimension
/ liquid is “constant in volume”, and “diffusion” is hardly observed.
Even if you open the lid of the container filled with liquid water, it does not come out like vaporized steam. → MD1-11.
-The "surface / interface" of the distribution area exists only in the liquid (for example, when a transparent cup is poured with water, a boundary line is visible). → MD1-21.
-"Surface tension" exists only in liquids (such as a 1-yen coin floating on the water surface). → MD1-31.
-The liquid lacks the movement and flow tendency in the distribution area.
Once a drop of water is placed on a horizontal surface, it stays there forever, unless you breathe in from outside (external pressure). → MD2-11.

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